

### Radial Lead Type

Series: **FC** Type: **A**



#### ■ Features

- Endurance : 105 °C 1000 h to 5000 h
- Low impedance
- RoHS directive compliant

#### ■ Specifications

|  |   |                                    |      |      |      |      |      |      |      |                 |
|--|---|------------------------------------|------|------|------|------|------|------|------|-----------------|
| Category Temp. Range   | -55 °C to +105 °C   |                                    |      |      |      |      |      |      |      |                 |
| Rated W.V. Range   | 6.3 V.DC to 100 V.DC  |                                    |      |      |      |      |      |      |      |                 |
| Nominal Cap. Range   | 1.0 μF to 15000 μF  |                                    |      |      |      |      |      |      |      |                 |
| Capacitance Tolerance  | ±20 % (120 Hz/+20 °C)   |                                    |      |      |      |      |      |      |      |                 |
| DC Leakage Current   | I ≤ 0.01 CV or 3 (μA) After 2 minutes (Whichever is greater)  |                                    |      |      |      |      |      |      |      |                 |
| tan δ  | W.V. (V)  | 6.3                                | 10   | 16   | 25   | 35   | 50   | 63   | 100  | (120 Hz/+20 °C) |
|  | tan δ   | 0.22                               | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.07 |                 |
| For capacitance value ≥ 1000 μF, add 0.02 per every 1000 μF. |   |                                    |      |      |      |      |      |      |      |                 |
| Endurance  | After following life test with DC voltage and +105 °C±2 °C ripple current value applied (The sum of DC and ripple peak voltage shall not exceed the rated working voltage) when the capacitors are restored to 20 °C, the capacitors shall meet the limits specified below.<br>Duration : φ4 to φ6.3: 1000 hours, φ8: 2000 hours, φ10: 3000 hours, φ12.5 to φ18: 5000 hours |                                    |      |      |      |      |      |      |      |                 |
|  | Capacitance change  | ±20 % of initial measured value    |      |      |      |      |      |      |      |                 |
|  | tan δ   | ≤ 200 % of initial specified value |      |      |      |      |      |      |      |                 |
|  | DC leakage current  | ≤ initial specified value          |      |      |      |      |      |      |      |                 |
| Shelf Life   | After storage for 1000 hours at +105 °C±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance. (With voltage treatment)   |                                    |      |      |      |      |      |      |      |                 |

#### ■ Frequency correction factor for ripple current

| W.V.(V.DC) | Cap (μF)      | Frequency (Hz) |      |      |      |       |
|------------|---------------|----------------|------|------|------|-------|
|            |               | 60             | 120  | 1 k  | 10 k | 100 k |
| 6.3 to 100 | 1.0 to 330    | 0.55           | 0.65 | 0.85 | 0.90 | 1.00  |
|            | 390 to 1000   | 0.70           | 0.75 | 0.90 | 0.95 | 1.00  |
|            | 1200 to 2200  | 0.75           | 0.80 | 0.90 | 0.95 | 1.00  |
|            | 2700 to 15000 | 0.80           | 0.85 | 0.95 | 1.00 | 1.00  |

#### ■ Dimensions in mm (not to scale)



|               | L≥11 |     |     |     |     |          |          |     |     | L=7  |      |      |
|---------------|------|-----|-----|-----|-----|----------|----------|-----|-----|------|------|------|
|               | 4    | 5   | 6.3 | 8   | 10  | 12.5     | 16       | 18  | 4   | 5    | 6.3  |      |
| Body Dia. φD  |      |     |     |     |     |          |          |     |     |      |      |      |
| Body Length L |      |     |     |     |     | 15 to 25 | 30 to 40 |     |     |      |      |      |
| Lead Dia. φd  | 0.45 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6      | 0.8      | 0.8 | 0.8 | 0.45 | 0.45 | 0.45 |
| Lead space F  | 1.5  | 2.0 | 2.5 | 3.5 | 5.0 | 5.0      | 5.0      | 7.5 | 7.5 | 1.5  | 2.0  | 2.5  |

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## ■ Case size/ Impedance/ Ripple Current

| W.V(V.DC)<br>Case size<br>(φD×L) | 6.3 V to 35 V              |        |   | 50 V                       |         |   | 63 V                       |        |   | 100 V                      |        |   |
|----------------------------------|----------------------------|--------|---|----------------------------|---------|---|----------------------------|--------|---|----------------------------|--------|---|
|                                  | Impedance<br>(Ω)/(100 kHz) |        | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) | Impedance<br>(Ω)/(100 kHz) |         | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) | Impedance<br>(Ω)/(100 kHz) |        | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) | Impedance<br>(Ω)/(100 kHz) |        | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) |
|                                  | 20 °C                      | -10 °C |   | 20 °C                      | -10 °C  |   | 20 °C                      | -10 °C |   | 20 °C                      | -10 °C |   |
| 4 × 7                            | 2.00                       | 5.00   | 65  |                            |         |   |                            |        |   |                            |        |   |
| 5 × 7                            | 0.950                      | 2.40   | 120   |                            |         |   |                            |        |   |                            |        |   |
| 6.3 × 7                          | 0.450                      | 1.20   | 200   |                            |         |   |                            |        |   |                            |        |   |
| 4 × 11                           | 1.30                       | 2.60   | 120   | 2.50                       | 5.00    | 90  | 3.50                       | 7.00   | 80  |                            |        |   |
| 5 × 11                           | 0.800                      | 1.60   | 175   | 2.40 *1                    | 4.80 *1 | *3  | 2.00                       | 4.00   | 145   | 4.10                       | 8.20   | 80  |
|                                  |                            |        |   | *2, *3                     | *2, *3  | *3  |                            |        |   |                            |        |   |
| 5 × 15                           | 0.500                      | 1.00   | 235   | 0.900                      | 1.80    | 215   | 1.30                       | 2.60   | 200   | 2.80                       | 5.60   | 90  |
| 6.3 × 11.2                       | 0.350                      | 0.700  | 290   | 0.600                      | 1.20    | 260   | 1.00                       | 2.00   | 240   | 1.80                       | 3.60   | 114   |
| 6.3 × 15                         | 0.250                      | 0.500  | 400   | 0.400                      | 0.800   | 360   | 0.700                      | 1.40   | 330   | 1.10                       | 2.20   | 155   |
| 8 × 11.5                         | 0.117                      | 0.234  | 555   | 0.234                      | 0.468   | 485   | 0.342                      | 0.684  | 405   | 0.680                      | 1.36   | 260   |
| 8 × 15                           | 0.085                      | 0.170  | 730   | 0.155                      | 0.310   | 635   | 0.230                      | 0.460  | 535   | 0.450                      | 0.900  | 340   |
| 8 × 20                           | 0.065                      | 0.130  | 995   | 0.120                      | 0.240   | 860   | 0.178                      | 0.356  | 690   | 0.330                      | 0.660  | 455   |
| 10 × 12.5                        | 0.090                      | 0.180  | 755   | 0.162                      | 0.324   | 615   | 0.256                      | 0.512  | 535   | 0.530                      | 1.06   | 306   |
| 10 × 16                          | 0.068                      | 0.136  | 1050  | 0.119                      | 0.238   | 850   | 0.194                      | 0.388  | 600   | 0.360                      | 0.720  | 400   |
| 10 × 20                          | 0.052                      | 0.104  | 1220  | 0.090                      | 0.180   | 1030  | 0.147                      | 0.294  | 885   | 0.240                      | 0.480  | 463   |
| 10 × 25                          | 0.045                      | 0.090  | 1440  | 0.082                      | 0.164   | 1200  | 0.130                      | 0.260  | 1050  | 0.210                      | 0.420  | 599   |
| 10 × 30                          | 0.035                      | 0.070  | 1815  | 0.060                      | 0.120   | 1610  | 0.090                      | 0.180  | 1300  | 0.150                      | 0.300  | 698   |
| 12.5 × 15                        | 0.065                      | 0.130  | 1205  | 0.110                      | 0.220   | 1150  | 0.150                      | 0.300  | 1020  | 0.230                      | 0.460  | 511   |
| 12.5 × 20                        | 0.038                      | 0.076  | 1655  | 0.063                      | 0.126   | 1480  | 0.085                      | 0.170  | 1285  | 0.180                      | 0.360  | 671   |
| 12.5 × 25                        | 0.030                      | 0.060  | 1945  | 0.050                      | 0.100   | 1832  | 0.070                      | 0.140  | 1720  | 0.110                      | 0.220  | 807   |
| 12.5 × 30                        | 0.025                      | 0.050  | 2310  | 0.040                      | 0.080   | 2215  | 0.055                      | 0.110  | 2090  | 0.098                      | 0.196  | 937   |
| 12.5 × 35                        | 0.022                      | 0.044  | 2510  | 0.034                      | 0.068   | 2285  | 0.047                      | 0.094  | 2265  | 0.087                      | 0.174  | 1040  |
| 12.5 × 40                        | 0.018                      | 0.036  | 2655  | 0.030                      | 0.060   | 2590  | 0.042                      | 0.084  | 2560  | 0.072                      | 0.144  | 1130  |
| 16 × 15                          | 0.043                      | 0.086  | 1690  | 0.080                      | 0.160   | 1610  | 0.090                      | 0.180  | 1410  | 0.140                      | 0.280  | 793   |
| 16 × 20                          | 0.029                      | 0.058  | 2205  | 0.048                      | 0.096   | 1835  | 0.059                      | 0.118  | 1765  | 0.110                      | 0.220  | 995   |
| 16 × 25                          | 0.022                      | 0.044  | 2555  | 0.034                      | 0.068   | 2235  | 0.050                      | 0.100  | 2160  | 0.089                      | 0.178  | 1170  |
| 16 × 31.5                        | 0.018                      | 0.036  | 3010  | 0.028                      | 0.056   | 2700  | 0.043                      | 0.086  | 2670  | 0.062                      | 0.124  | 1520  |
| 16 × 35.5                        | 0.016                      | 0.032  | 3150  | 0.025                      | 0.050   | 2790  | 0.036                      | 0.072  | 2770  | 0.053                      | 0.106  | 1730  |
| 16 × 40                          | 0.015                      | 0.030  | 3360  | 0.023                      | 0.046   | 2845  | 0.030                      | 0.060  | 2825  | 0.047                      | 0.094  | 1920  |
| 18 × 15                          | 0.038                      | 0.076  | 2000  | 0.068                      | 0.136   | 1900  | 0.086                      | 0.172  | 1690  | 0.120                      | 0.240  | 917   |
| 18 × 20                          | 0.028                      | 0.056  | 2490  | 0.042                      | 0.084   | 2420  | 0.055                      | 0.110  | 2290  | 0.080                      | 0.160  | 1230  |
| 18 × 25                          | 0.020                      | 0.040  | 2740  | 0.029                      | 0.058   | 2610  | 0.043                      | 0.086  | 2585  | 0.070                      | 0.140  | 1420  |
| 18 × 31.5                        | 0.016                      | 0.032  | 3635  | 0.025                      | 0.050   | 3000  | 0.032                      | 0.064  | 2950  | 0.062                      | 0.124  | 1600  |
| 18 × 35.5                        | 0.015                      | 0.030  | 3680  | 0.023                      | 0.046   | 3100  | 0.030                      | 0.060  | 3095  | 0.041                      | 0.082  | 1770  |
| 18 × 40                          | 0.014                      | 0.028  | 3735  | -                          | -       | -   | 0.025                      | 0.050  | 3205  | 0.036                      | 0.072  | 2300  |

\*1 : Apply to 1 μF

\*2 : Apply to 2.2, 3.3, 4.7, 10L, 12, 18 and 22 μF

\*3

| Case size<br>(φD×L) | Capacitance<br>(μF) | Impedance (Ω)/(100 kHz) |        | Ripple Current<br>(mA r.m.s)(100 kHz) |
|---------------------|---------------------|-------------------------|--------|---------------------------------------|
|                     |                     | 20 °C                   | -10 °C |                                       |
| 5 × 11              | 1.0                 | 2.40                    | 4.80   | 20                                    |
|                     | 2.2                 | 1.80                    | 3.60   | 45                                    |
|                     | 3.3                 | 1.30                    | 2.60   | 65                                    |
|                     | 4.7                 | 1.30                    | 2.60   | 95                                    |
|                     | 10L                 | 1.30                    | 2.60   | 125                                   |
|                     | 12                  | 1.30                    | 2.60   | 135                                   |
|                     | 15                  | 1.30                    | 2.60   | 145                                   |
|                     | 18                  | 1.30                    | 2.60   | 155                                   |
| 22                  | 1.30                | 2.60                    | 155    |                                       |

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■ Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Q'ty     |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 6.3         | 27                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC0J270( )           | 200             | 2000                 |
|             | 56                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC0J560( )           | 200             | 2000                 |
|             | 68                      | 4            | 11             | 120   | 1.300                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC0J680( )           | 200             | 2000                 |
|             | 100                     | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC0J101( )           | 200             | 2000                 |
|             | 120                     | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC0J121( )           | 200             | 2000                 |
|             | 150                     | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC0J151( )           | 200             | 2000                 |
|             | 220                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J221( )           | 200             | 2000                 |
|             | 270                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J271( )           | 200             | 2000                 |
|             | 330                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J331S( )          | 200             | 2000                 |
|             |                         | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J331( )           | 200             | 2000                 |
|             | 390                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J391( )           | 200             | 1000                 |
|             | 470                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J471( )           | 200             | 1000                 |
|             | 560                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J561( )           | 200             | 1000                 |
|             | 820                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J821L( )          | 200             | 1000                 |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J821( )           | 200             | 500                  |
|             | 1000                    | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J102( )           | 200             | 500                  |
|             | 1200                    | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J122L( )          | 200             | 1000                 |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J122( )           | 200             | 500                  |
|             | 1500                    | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J152( )           | 200             | 500                  |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J152S( )          | 200             | 500                  |
|             | 1800                    | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J182( )           | 200             | 500                  |
|             | 2200                    | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J222( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC0J222S( )          | 100             | 250                  |
|             | 2700                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC0J272L             | 100             |                      |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J272( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC0J272S( )          | 100             | 250                  |
|             | 3300                    | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J332( )           | 200             | 500                  |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC0J332S( )          | 100             | 250                  |
|             | 3900                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J392( )           | 200             | 500                  |
|             | 4700                    | 12.5         | 30             | 2310  | 0.025                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC0J472              | 100             |                      |
| 16          |                         | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J472S( ) | 100                     | 250             |                      |
| 5600        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC0J562L    | 100                     |                 |                      |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J562( )  | 100                     | 250             |                      |
| 6800        | 12.5                    | 40           | 2655           | 0.018   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC0J682L    | 100                     |                 |                      |
|             | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J682( )  | 100                     | 250             |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J682S( ) | 100                     | 250             |                      |
| 8200        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J822     | 100                     |                 |                      |
| 10000       | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J103     | 100                     |                 |                      |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J103S( ) | 100                     | 250             |                      |
| 12000       | 16                      | 40           | 3360           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J123L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J123     | 50                      |                 |                      |
| 15000       | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J153     | 50                      |                 |                      |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on EE189 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Q'ty     |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 10          | 22                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC1A220( )           | 200             | 2000                 |
|             | 39                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC1A390( )           | 200             | 2000                 |
|             | 47                      | 4            | 11             | 120   | 1.300                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC1A470( )           | 200             | 2000                 |
|             | 82                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1A820( )           | 200             | 2000                 |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC1A820( )           | 200             | 2000                 |
|             | 100                     | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1A101S( )          | 200             | 2000                 |
|             |                         | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1A101( )           | 200             | 2000                 |
|             | 150                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A151( )           | 200             | 2000                 |
|             | 180                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A181( )           | 200             | 2000                 |
|             | 220                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A221S( )          | 200             | 2000                 |
|             |                         | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A221( )           | 200             | 2000                 |
|             | 330                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A331( )           | 200             | 1000                 |
|             | 390                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A391( )           | 200             | 1000                 |
|             | 470                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A471( )           | 200             | 1000                 |
|             | 560                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A561( )           | 200             | 500                  |
|             | 680                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A681L( )          | 200             | 1000                 |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A681( )           | 200             | 500                  |
|             | 820                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A821( )           | 200             | 500                  |
|             | 1000                    | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A102L( )          | 200             | 1000                 |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A102( )           | 200             | 500                  |
|             | 1200                    | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A122( )           | 200             | 500                  |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A122S( )          | 200             | 500                  |
|             | 1500                    | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A152( )           | 200             | 500                  |
|             | 1800                    | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A182( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1A182S( )          | 100             | 250                  |
|             | 2200                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC1A222L             | 100             |                      |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A222( )           | 200             | 500                  |
|             | 2700                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A272( )           | 200             | 500                  |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1A272S( )          | 100             | 250                  |
|             | 3300                    | 12.5         | 30             | 2310  | 0.025                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC1A332              | 100             |                      |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1A332S( )          | 100             | 250                  |
|             | 3900                    | 12.5         | 35             | 2510  | 0.022                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC1A392L             | 100             |                      |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1A392( )           | 100             | 250                  |
| 4700        | 12.5                    | 40           | 2655           | 0.018   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1A472L    | 100                     |                 |                      |
|             | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A472( )  | 100                     | 250             |                      |
| 5600        | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A562( )  | 100                     | 250             |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A562S( ) | 100                     | 250             |                      |
| 6800        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A682     | 100                     |                 |                      |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A682S( ) | 100                     | 250             |                      |
| 8200        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A822L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A822     | 50                      |                 |                      |
| 10000       | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A103     | 50                      |                 |                      |
| 12000       | 18                      | 40           | 3735           | 0.014   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A123     | 50                      |                 |                      |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on EE189 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Q'ty     |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 16          | 15                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC1C150( )           | 200             | 2000                 |
|             | 27                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC1C270( )           | 200             | 2000                 |
|             | 39                      | 4            | 11             | 120   | 1.30                                      | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC1C390( )           | 200             | 2000                 |
|             | 47                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1C470( )           | 200             | 2000                 |
|             | 56                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1C560( )           | 200             | 2000                 |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC1C560( )           | 200             | 2000                 |
|             | 68                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1C680( )           | 200             | 2000                 |
|             | 82                      | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1C820( )           | 200             | 2000                 |
|             | 100                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1C101( )           | 200             | 2000                 |
|             | 120                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1C121( )           | 200             | 2000                 |
|             | 180                     | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1C181( )           | 200             | 2000                 |
|             | 220                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1C221( )           | 200             | 1000                 |
|             | 270                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1C271( )           | 200             | 1000                 |
|             | 330                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1C331( )           | 200             | 1000                 |
|             | 390                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C391( )           | 200             | 500                  |
|             | 470                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1C471L( )          | 200             | 1000                 |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C471( )           | 200             | 500                  |
|             | 560                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C561( )           | 200             | 500                  |
|             | 680                     | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1C681L( )          | 200             | 1000                 |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C681( )           | 200             | 500                  |
|             | 820                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C821( )           | 200             | 500                  |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C821S( )          | 200             | 500                  |
|             | 1000                    | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C102S( )          | 200             | 500                  |
|             |                         | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C102( )           | 200             | 500                  |
|             | 1200                    | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C122( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1C122S( )          | 100             | 250                  |
|             | 1500                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC1C152L             | 100             |                      |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C152( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1C152S( )          | 100             | 250                  |
|             | 1800                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1C182( )           | 200             | 500                  |
| 18          |                         | 15           | 2000           | 0.038   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C182S( ) | 100                     | 250             |                      |
| 2200        | 12.5                    | 25           | 1945           | 0.030   | 5000                                      | 0.60                 | 5.0               | 5.0              |                      | EEUFC1C222( )  | 200                     | 500             |                      |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C222S( ) | 100                     | 250             |                      |
| 2700        | 12.5                    | 30           | 2310           | 0.025   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1C272L    | 100                     |                 |                      |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C272( )  | 100                     | 250             |                      |
| 3300        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1C332     | 100                     |                 |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C332S( ) | 100                     | 250             |                      |
| 3900        | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C392( )  | 100                     | 250             |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C392S( ) | 100                     | 250             |                      |
| 4700        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C472     | 100                     |                 |                      |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C472S( ) | 100                     | 250             |                      |
| 5600        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C562L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C562     | 50                      |                 |                      |
| 6800        | 16                      | 40           | 3360           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C682     | 100                     |                 |                      |
| 8200        | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C822     | 50                      |                 |                      |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on EE189 of our Catalog. Please use it as a reference guide.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

00 Sep. 2010

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Q'ty     |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 25          | 10                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC1E100( )           | 200             | 2000                 |
|             | 22                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC1E220( )           | 200             | 2000                 |
|             | 27                      | 4            | 11             | 120   | 1.30                                      | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC1E270( )           | 200             | 2000                 |
|             | 39                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1E390( )           | 200             | 2000                 |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC1E390( )           | 200             | 2000                 |
|             | 47                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1E470( )           | 200             | 2000                 |
|             | 56                      | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1E560( )           | 200             | 2000                 |
|             | 82                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1E820( )           | 200             | 2000                 |
|             | 100                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1E101S( )          | 200             | 2000                 |
|             | 120                     | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1E121( )           | 200             | 2000                 |
|             | 180                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1E181( )           | 200             | 1000                 |
|             | 220                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1E221( )           | 200             | 1000                 |
|             | 270                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E271( )           | 200             | 500                  |
|             | 330                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1E331L( )          | 200             | 1000                 |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E331( )           | 200             | 500                  |
|             | 390                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E391( )           | 200             | 500                  |
|             | 470                     | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1E471L( )          | 200             | 1000                 |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E471( )           | 200             | 500                  |
|             | 560                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E561( )           | 200             | 500                  |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E561S( )          | 200             | 500                  |
|             | 680                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E681( )           | 200             | 500                  |
|             | 820                     | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E821( )           | 200             | 500                  |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E821S( )          | 200             | 500                  |
|             | 1000                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC1E102L             | 100             |                      |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E102( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1E102S( )          | 100             | 250                  |
|             | 1200                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E122( )           | 200             | 500                  |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1E122S( )          | 100             | 250                  |
|             | 1500                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1E152( )           | 200             | 500                  |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1E152S( )          | 100             | 250                  |
| 1800        | 12.5                    | 30           | 2310           | 0.025   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1E182L    | 100                     |                 |                      |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E182( )  | 100                     | 250             |                      |
| 2200        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1E222     | 100                     |                 |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E222S( ) | 100                     | 250             |                      |
| 2700        | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E272( )  | 100                     | 250             |                      |
| 3300        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E332     | 100                     |                 |                      |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E332S( ) | 100                     | 250             |                      |
| 3900        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E392L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E392     | 50                      |                 |                      |
| 4700        | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E472     | 50                      |                 |                      |
| 5600        | 18                      | 40           | 3735           | 0.014   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E562     | 50                      |                 |                      |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on EE189 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Q'ty     |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 35          | 6.8                     | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC1V6R8( )           | 200             | 2000                 |
|             | 12                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC1V120( )           | 200             | 2000                 |
|             | 18                      | 4            | 11             | 120   | 1.300                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC1V180( )           | 200             | 2000                 |
|             | 22                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1V220( )           | 200             | 2000                 |
|             | 27                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1V270( )           | 200             | 2000                 |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC1V270( )           | 200             | 2000                 |
|             | 33                      | 5            | 11             | 175   | 0.080                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1V330( )           | 200             | 2000                 |
|             | 39                      | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1V390( )           | 200             | 2000                 |
|             | 47                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1V470( )           | 200             | 2000                 |
|             | 56                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1V560( )           | 200             | 2000                 |
|             | 68                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1V680( )           | 200             | 2000                 |
|             | 82                      | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1V820( )           | 200             | 2000                 |
|             | 100                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1V101( )           | 200             | 1000                 |
|             | 120                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1V121( )           | 200             | 1000                 |
|             | 150                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1V151( )           | 200             | 1000                 |
|             | 180                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V181( )           | 200             | 500                  |
|             | 220                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1V221L( )          | 200             | 1000                 |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V221( )           | 200             | 500                  |
|             | 270                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V271( )           | 200             | 500                  |
|             | 330                     | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1V331L( )          | 200             | 1000                 |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V331( )           | 200             | 500                  |
|             | 390                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V391( )           | 200             | 500                  |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V391S( )          | 200             | 500                  |
|             | 470                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V471( )           | 200             | 500                  |
|             | 560                     | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V561( )           | 200             | 500                  |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V561S( )          | 200             | 500                  |
|             | 680                     | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC1V681L             | 100             |                      |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V681( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1V681S( )          | 100             | 250                  |
|             | 820                     | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V821L( )          | 200             | 500                  |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1V821( )           | 100             | 250                  |
|             | 1000                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1V102( )           | 200             | 500                  |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1V102S( )          | 100             | 250                  |
|             | 1200                    | 12.5         | 30             | 2310  | 0.025                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC1V122L             | 100             |                      |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1V122( )           | 100             | 250                  |
| 1500        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1V152L    | 100                     |                 |                      |
|             | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V152( )  | 100                     | 250             |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V152S( ) | 100                     | 250             |                      |
| 1800        | 12.5                    | 40           | 2655           | 0.018   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1V182L    | 100                     |                 |                      |
|             | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V182( )  | 100                     | 250             |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V182S( ) | 100                     | 250             |                      |
| 2200        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V222     | 100                     |                 |                      |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V222S( ) | 100                     | 250             |                      |
| 2700        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V272L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V272     | 50                      |                 |                      |
| 3300        | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V332     | 50                      |                 |                      |
| 3900        | 18                      | 40           | 3735           | 0.014   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V392     | 50                      |                 |                      |

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Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.      | Min. Packaging Q'ty     |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|---------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |               | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |               |                         |                 | Taping<br>*H<br>(mm) |
| 50          | 1.0                     | 5            | 11             | 20  | 2.400                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H1R0( )            | 200             | 2000                 |
|             | 2.2                     | 5            | 11             | 45  | 1.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H2R2( )            | 200             | 2000                 |
|             | 3.3                     | 5            | 11             | 65  | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H3R3( )            | 200             | 2000                 |
|             | 4.7                     | 5            | 11             | 95  | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H4R7( )            | 200             | 2000                 |
|             | 10                      | 4            | 11             | 90  | 2.500                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5           | EEUF1H100( )            | 200             | 2000                 |
|             |                         | 5            | 11             | 125   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H100L( )           | 200             | 2000                 |
|             | 12                      | 5            | 11             | 135   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H120( )            | 200             | 2000                 |
|             | 15                      | 5            | 11             | 145   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H150( )            | 200             | 2000                 |
|             | 18                      | 5            | 11             | 155   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H180( )            | 200             | 2000                 |
|             | 22                      | 5            | 11             | 155   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H220( )            | 200             | 2000                 |
|             | 27                      | 5            | 15             | 215   | 0.900                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5           | EEUF1H270( )            | 200             | 2000                 |
|             | 33                      | 6.3          | 11.2           | 260   | 0.600                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5           | EEUF1H330( )            | 200             | 2000                 |
|             | 39                      | 6.3          | 11.2           | 260   | 0.600                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5           | EEUF1H390( )            | 200             | 2000                 |
|             | 47                      | 6.3          | 11.2           | 260   | 0.600                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5           | EEUF1H470( )            | 200             | 2000                 |
|             | 56                      | 6.3          | 15             | 360   | 0.400                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5           | EEUF1H560( )            | 200             | 2000                 |
|             | 68                      | 8            | 11.5           | 485   | 0.234                                     | 2000                 | 0.60              | 3.5              | 5.0                  |               | EEUF1H680( )            | 200             | 1000                 |
|             | 82                      | 8            | 11.5           | 485   | 0.234                                     | 2000                 | 0.60              | 3.5              | 5.0                  |               | EEUF1H820( )            | 200             | 1000                 |
|             | 100                     | 10           | 12.5           | 615   | 0.162                                     | 3000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H101( )            | 200             | 500                  |
|             | 120                     | 8            | 15             | 635   | 0.155                                     | 2000                 | 0.60              | 3.5              | 5.0                  |               | EEUF1H121L( )           | 200             | 1000                 |
|             |                         | 10           | 12.5           | 615   | 0.162                                     | 3000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H121( )            | 200             | 500                  |
|             | 150                     | 10           | 16             | 850   | 0.119                                     | 3000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H151( )            | 200             | 500                  |
|             | 180                     | 8            | 20             | 860   | 0.120                                     | 2000                 | 0.60              | 3.5              | 5.0                  |               | EEUF1H181L( )           | 200             | 1000                 |
|             |                         | 10           | 16             | 850   | 0.119                                     | 3000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H181( )            | 200             | 500                  |
|             | 220                     | 10           | 20             | 1030  | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H221( )            | 200             | 500                  |
|             |                         | 12.5         | 15             | 1150  | 0.110                                     | 5000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H221S( )           | 200             | 500                  |
|             | 270                     | 10           | 25             | 1200  | 0.082                                     | 3000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H271( )            | 200             | 500                  |
|             | 330                     | 10           | 30             | 1610  | 0.060                                     | 3000                 | 0.60              | 5.0              |                      |               | EEUF1H331L              | 100             |                      |
|             |                         | 12.5         | 20             | 1480  | 0.063                                     | 5000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H331( )            | 200             | 500                  |
|             | 390                     | 12.5         | 20             | 1480  | 0.063                                     | 5000                 | 0.60              | 5.0              | 5.0                  |               | EEUF1H391( )            | 200             | 500                  |
|             |                         | 16           | 15             | 1610  | 0.080                                     | 5000                 | 0.80              | 7.5              | 7.5                  |               | EEUF1H391S( )           | 100             | 250                  |
| 470         | 10                      | 30           | 1610           | 0.060   | 3000                                      | 0.60                 | 5.0               |                  |                      | EEUF1H471L    | 100                     |                 |                      |
|             | 12.5                    | 25           | 1832           | 0.050   | 5000                                      | 0.60                 | 5.0               | 5.0              |                      | EEUF1H471( )  | 200                     | 500             |                      |
| 560         | 12.5                    | 25           | 1832           | 0.050   | 5000                                      | 0.60                 | 5.0               | 5.0              |                      | EEUF1H561( )  | 200                     | 500             |                      |
|             | 18                      | 15           | 1900           | 0.068   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUF1H561S( ) | 100                     | 250             |                      |
| 680         | 12.5                    | 30           | 2215           | 0.040   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUF1H681L    | 100                     |                 |                      |
|             | 16                      | 20           | 1835           | 0.048   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUF1H681( )  | 100                     | 250             |                      |
| 820         | 12.5                    | 35           | 2285           | 0.034   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUF1H821L    | 100                     |                 |                      |
|             | 18                      | 20           | 2420           | 0.042   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUF1H821( )  | 100                     | 250             |                      |
| 1000        | 12.5                    | 40           | 2590           | 0.030   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUF1H102L    | 100                     |                 |                      |
|             | 16                      | 25           | 2235           | 0.034   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUF1H102( )  | 100                     | 250             |                      |
| 1200        | 16                      | 31.5         | 2700           | 0.028   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUF1H122     | 100                     |                 |                      |
|             | 18                      | 25           | 2610           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUF1H122S( ) | 100                     | 250             |                      |
| 1500        | 16                      | 35.5         | 2790           | 0.025   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUF1H152L    | 100                     |                 |                      |
| 1800        | 16                      | 40           | 2845           | 0.023   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUF1H182L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3000           | 0.025   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUF1H182     | 50                      |                 |                      |
| 2200        | 18                      | 35.5         | 3100           | 0.023   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUF1H222     | 50                      |                 |                      |

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00 Sep. 2010



### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br><br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Qty      |                 |                      |
|-------------|-----------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                             | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                             |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 63          | 6.8                         | 4            | 11             | 80  | 3.500                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC1J6R8( )           | 200             | 2000                 |
|             | 12                          | 5            | 11             | 145   | 2.000                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1J120( )           | 200             | 2000                 |
|             | 18                          | 5            | 15             | 200   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1J180( )           | 200             | 2000                 |
|             | 22                          | 6.3          | 11.2           | 240   | 1.000                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1J220( )           | 200             | 2000                 |
|             | 33                          | 6.3          | 11.2           | 240   | 1.000                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1J330( )           | 200             | 2000                 |
|             | 39                          | 6.3          | 15             | 330   | 0.700                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1J390( )           | 200             | 2000                 |
|             | 47                          | 8            | 11.5           | 405   | 0.342                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1J470( )           | 200             | 1000                 |
|             | 56                          | 8            | 11.5           | 405   | 0.342                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1J560( )           | 200             | 1000                 |
|             | 68                          | 8            | 11.5           | 405   | 0.342                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1J680( )           | 200             | 1000                 |
|             | 82                          | 10           | 12.5           | 535   | 0.256                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J820( )           | 200             | 500                  |
|             | 100                         | 8            | 15             | 535   | 0.230                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1J101L( )          | 200             | 1000                 |
|             |                             | 10           | 12.5           | 535   | 0.256                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J101( )           | 200             | 500                  |
|             | 120                         | 10           | 16             | 600   | 0.194                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J121( )           | 200             | 500                  |
|             | 150                         | 8            | 20             | 690   | 0.178                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1J151( )           | 200             | 1000                 |
|             | 180                         | 10           | 20             | 885   | 0.147                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J181( )           | 200             | 500                  |
|             |                             | 12.5         | 15             | 1020  | 0.150                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J181S( )          | 200             | 500                  |
|             | 220                         | 10           | 20             | 885   | 0.147                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J221X( )          | 200             | 500                  |
|             |                             | 10           | 25             | 1050  | 0.130                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J221( )           | 200             | 500                  |
|             |                             | 12.5         | 20             | 1285  | 0.085                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J221S( )          | 200             | 500                  |
|             | 270                         | 16           | 15             | 1410  | 0.090                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1J271( )           | 100             | 250                  |
|             | 330                         | 10           | 30             | 1300  | 0.090                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC1J331L             | 100             |                      |
|             |                             | 12.5         | 20             | 1285  | 0.085                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J331( )           | 200             | 500                  |
|             | 390                         | 12.5         | 25             | 1720  | 0.070                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1J391( )           | 200             | 500                  |
|             |                             | 18           | 15             | 1690  | 0.086                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1J391S( )          | 100             | 250                  |
|             | 470                         | 12.5         | 30             | 2090  | 0.055                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC1J471L             | 100             |                      |
|             |                             | 16           | 20             | 1765  | 0.059                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1J471( )           | 100             | 250                  |
|             | 560                         | 16           | 25             | 2160  | 0.050                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1J561( )           | 100             | 250                  |
|             | 680                         | 12.5         | 35             | 2265  | 0.047                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC1J681L             | 100             |                      |
|             |                             | 16           | 25             | 2160  | 0.050                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1J681( )           | 100             | 250                  |
|             |                             | 18           | 20             | 2290  | 0.055                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1J681S( )          | 100             | 250                  |
| 820         | 12.5                        | 40           | 2560           | 0.042   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1J821L    | 100                     |                 |                      |
|             | 16                          | 31.5         | 2670           | 0.043   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J821     | 100                     |                 |                      |
|             | 18                          | 25           | 2585           | 0.043   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1J821S( ) | 100                     | 250             |                      |
| 1000        | 16                          | 31.5         | 2670           | 0.043   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J102U    | 100                     |                 |                      |
|             | 16                          | 35.5         | 2770           | 0.036   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J102     | 100                     |                 |                      |
| 1200        | 16                          | 40           | 2825           | 0.030   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J122L    | 100                     |                 |                      |
|             | 18                          | 31.5         | 2950           | 0.032   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J122     | 50                      |                 |                      |
| 1500        | 18                          | 35.5         | 3095           | 0.030   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J152     | 50                      |                 |                      |
| 1800        | 18                          | 40           | 3205           | 0.025   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J182     | 50                      |                 |                      |

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### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |  |                           | Lead Length          |                  |                      |                      | Part No.       | Min. Packaging Q'ty        |                 |
|-------------|-------------------------|--------------|----------------|---|--|---------------------------|----------------------|------------------|----------------------|----------------------|----------------|----------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Imped-<br>ance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight<br>Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |  |                           |                      | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                            |                 |
| 100         | 5.6                     | 5            | 11             | 80  | 4.10   | 1000                      | 0.5                  | 2.0              | 5.0                  | 2.5                  | EEUFC2A5R6( )  | 200                        | 2000            |
|             | 8.2                     | 5            | 15             | 90  | 2.80   | 1000                      | 0.5                  | 2.0              | 5.0                  | 2.5                  | EEUFC2A8R2( )  | 200                        | 2000            |
|             | 12                      | 6.3          | 11.2           | 114   | 1.80   | 1000                      | 0.5                  | 2.5              | 5.0                  | 2.5                  | EEUFC2A120( )  | 200                        | 2000            |
|             | 18                      | 6.3          | 15             | 155   | 1.10   | 1000                      | 0.5                  | 2.5              | 5.0                  | 2.5                  | EEUFC2A180( )  | 200                        | 2000            |
|             | 22                      | 8            | 11.5           | 260   | 0.680  | 2000                      | 0.6                  | 3.5              | 5.0                  |                      | EEUFC2A220( )  | 200                        | 1000            |
|             | 33                      | 8            | 15             | 340   | 0.450  | 2000                      | 0.6                  | 3.5              | 5.0                  |                      | EEUFC2A330L( ) | 200                        | 1000            |
|             |                         | 10           | 12.5           | 306   | 0.530  | 3000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A330( )  | 200                        | 500             |
|             | 39                      | 8            | 20             | 455   | 0.330  | 2000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A390L( ) | 200                        | 1000            |
|             |                         | 10           | 16             | 400   | 0.360  | 3000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A390( )  | 200                        | 500             |
|             | 56                      | 10           | 20             | 463   | 0.240  | 3000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A560( )  | 200                        | 500             |
|             | 68                      | 10           | 25             | 599   | 0.210  | 3000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A680L( ) | 200                        | 500             |
|             |                         | 12.5         | 15             | 511   | 0.230  | 5000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A680( )  | 200                        | 500             |
|             | 100                     | 10           | 30             | 698   | 0.150  | 3000                      | 0.6                  | 5.0              |                      |                      | EEUFC2A101L    | 100                        |                 |
|             |                         | 12.5         | 20             | 671   | 0.180  | 5000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A101( )  | 200                        | 500             |
|             | 120                     | 16           | 15             | 793   | 0.140  | 5000                      | 0.8                  | 7.5              | 7.5                  |                      | EEUFC2A121S( ) | 100                        | 250             |
|             | 150                     | 12.5         | 25             | 807   | 0.110  | 5000                      | 0.6                  | 5.0              | 5.0                  |                      | EEUFC2A151( )  | 200                        | 500             |
|             |                         | 18           | 15             | 917   | 0.120  | 5000                      | 0.8                  | 7.5              | 7.5                  |                      | EEUFC2A151S( ) | 100                        | 250             |
|             | 180                     | 12.5         | 30             | 937   | 0.098  | 5000                      | 0.8                  | 5.0              |                      |                      | EEUFC2A181L    | 100                        |                 |
|             |                         | 16           | 20             | 995   | 0.110  | 5000                      | 0.8                  | 7.5              | 7.5                  |                      | EEUFC2A181( )  | 100                        | 250             |
|             | 220                     | 12.5         | 35             | 1040  | 0.087  | 5000                      | 0.8                  | 5.0              |                      |                      | EEUFC2A221L    | 100                        |                 |
| 16          |                         | 25           | 1170           | 0.089   | 5000   | 0.8                       | 7.5                  | 7.5              |                      | EEUFC2A221( )        | 100            | 250                        |                 |
| 270         | 12.5                    | 40           | 1130           | 0.072   | 5000   | 0.8                       | 5.0                  |                  |                      | EEUFC2A271L          | 100            |                            |                 |
|             | 18                      | 20           | 1230           | 0.080   | 5000   | 0.8                       | 7.5                  | 7.5              |                      | EEUFC2A271S( )       | 100            | 250                        |                 |
| 330         | 16                      | 31.5         | 1520           | 0.062   | 5000   | 0.8                       | 7.5                  |                  |                      | EEUFC2A331           | 100            |                            |                 |
|             | 18                      | 25           | 1420           | 0.070   | 5000   | 0.8                       | 7.5                  | 7.5              |                      | EEUFC2A331S( )       | 100            | 250                        |                 |
| 390         | 16                      | 35.5         | 1730           | 0.053   | 5000   | 0.8                       | 7.5                  |                  |                      | EEUFC2A391L          | 100            |                            |                 |
|             | 18                      | 31.5         | 1600           | 0.062   | 5000   | 0.8                       | 7.5                  |                  |                      | EEUFC2A391           | 50             |                            |                 |
| 470         | 16                      | 40           | 1920           | 0.047   | 5000   | 0.8                       | 7.5                  |                  |                      | EEUFC2A471           | 100            |                            |                 |
| 560         | 18                      | 35.5         | 1770           | 0.041   | 5000   | 0.8                       | 7.5                  |                  |                      | EEUFC2A561           | 50             |                            |                 |
| 680         | 18                      | 40           | 2300           | 0.036   | 5000   | 0.8                       | 7.5                  |                  |                      | EEUFC2A681           | 50             |                            |                 |

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