

Surface Mount Type **SP-Cap**

Series: **FD, CD, CX, UD, UE**



■ Features

- Low ESR
- Excellent Noise-absorbent Characteristics
- RoHS directive compliant

■ Specifications

| Series & Size Code | FD | CD | CX | UD | UE |
|-----------------------|---|------------------------------------|--------------------|------------------------|-------------------|
| Category Temp. Range | -40 °C to +105 °C | | | | |
| Rated W.V.Range | 2 V.DC to 12.5 V.DC | 2 V.DC to 16 V.DC | 2 V.DC to 6.3 V.DC | 2 V.DC to 8 V.DC | 2 V.DC to 8 V.DC |
| Nominal Cap.Range | 15 μF to 68 μF | 2.2 μF to 220 μF | 100 μF to 470 μF | 68 μF to 470 μF | 100 μF to 560 μF |
| Capacitance Tolerance | ±20 % | | | | |
| DC Leakage Current | Reflow 240 °C : $I \leq 0.06 CV (\mu A) 2 \text{ minutes (2 V.DC to 4 V.DC)}$ $I \leq 0.04 CV \text{ or } 3 (\mu A) 2 \text{ minutes (6.3 V.DC to 16 V.DC)}$ (Whichever is greater) Reflow 260 °C : $I \leq 0.1 CV (\mu A) 2 \text{ minutes}$ | | | | |
| tan δ | ≤ 0.06 (120 Hz/+20 °C) | | | ≤ 0.10 (120 Hz/+20 °C) | |
| Surge Voltage | Rated Working Voltage × 1.25 (15 °C to 35 °C) | | | | |
| Endurance | After applying rated working voltage for 1000 hours at 105 °C±2 °C, and then being stabilized at +20 °C, capacitor shall meet the following limits. | | | | |
| | Capacitance change | ±10% of initial measured value | | | |
| | tan δ | ≤ Initial specified value | | | |
| | DC leakage current | ≤ Initial specified value | | | |
| Moisture resistance | After storing for 500 hours at 60 °C, 90 % | | | | |
| | Capacitance change of initial measured value | 2, 2.5 V.DC | 4 V.DC | 6.3 V.DC | 8 V.DC to 16 V.DC |
| | | +70, -20 % | +60, -20 % | +50, -20 % | +40, -20 % |
| | tan δ | ≤ 200 % of initial specified value | | | |
| | DC leakage current | ≤ Initial specified value | | | |

■ Marking



■ Dimensions in mm(not to scale)



(mm)

| Series & Size Code | L±0.2 | W1±0.2 | W2±0.1 | H | P±0.3 |
|--------------------|-------|--------|--------|---------|-------|
| FD | 7.3 | 4.3 | 2.4 | 1.1±0.1 | 1.3 |
| CD | 7.3 | 4.3 | 2.4 | 1.8±0.1 | 1.3 |
| CX | 7.3 | 4.3 | 2.4 | 1.9±0.2 | 1.3 |
| UD | 7.3 | 4.3 | 2.4 | 2.8±0.2 | 1.3 |
| UE | 7.3 | 4.3 | 2.4 | 4.2±0.1 | 1.3 |

* Externals of figure are the reference.

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

| Series & Size Code | Rated W.V. (V.DC) | Capacitance (±20 %) (μF) | Case Size | | | Specification | | Part number | | Min. Packaging Qty (pcs) | | |
|--------------------|-------------------|--------------------------|-----------|--------|--------|--|-----------------------------|---|--|--------------------------|-------------|------|
| | | | L (mm) | W (mm) | H (mm) | Ripple current (Ar.m.s.) ^{*1} | ESR ^{*2} (mΩ max.) | Reflow condition : 240 °C ^{*3} | Reflow condition : 260 °C [Proposal] ^{*3} | | | |
| FD | 2 | 68 | 7.3 | 4.3 | 1.1 | 2.0 | 28 | EEFFD0D680R | — | 3500 | | |
| | 2.5 | 56 | 7.3 | 4.3 | 1.1 | 2.0 | 28 | EEFFD0E560R | — | 3500 | | |
| | 4 | 39 | 7.3 | 4.3 | 1.1 | 2.0 | 28 | EEFFD0G390R | — | 3500 | | |
| | | 47 | 7.3 | 4.3 | 1.1 | 2.0 | 28 | EEFFD0G470R | — | 3500 | | |
| | 6.3 | 33 | 7.3 | 4.3 | 1.1 | 2.0 | 28 | EEFFD0J330R | — | 3500 | | |
| | 8 | 22 | 7.3 | 4.3 | 1.1 | 2.0 | 28 | EEFFD0K220R | — | 3500 | | |
| 12.5 | 15 | 7.3 | 4.3 | 1.1 | 1.4 | 40 | EEFFD1B150R | — | 3500 | | | |
| CD | 2 | 100 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0D101R | EEFCD0D101ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0D101XR | EEFCD0D101XE | 3500 | | |
| | | 120 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0D121R | EEFCD0D121ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0D121XR | EEFCD0D121XE | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0D151R | EEFCD0D151ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0D181R | EEFCD0D181ER | 3500 | | |
| | 220 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0D221R | EEFCD0D221ER | 3500 | | | |
| | 2.5 | 82 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0E820R | EEFCD0E820ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0E820XR | EEFCD0E820XE | 3500 | | |
| | | 100 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0E101R | EEFCD0E101ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0E101XR | EEFCD0E101XE | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0E121R | EEFCD0E121ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0E151R | EEFCD0E151ER | 3500 | | |
| | 4 | 56 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0G560R | EEFCD0G560ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0G560XR | EEFCD0G560XE | 3500 | | |
| | | 68 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0G680R | EEFCD0G680ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0G680XR | EEFCD0G680XE | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0G820R | EEFCD0G820ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0G820XR | EEFCD0G820XE | 3500 | | |
| | 6.3 | 10 | 7.3 | 4.3 | 1.8 | 1.4 | 55 | EEFCD0J100R | EEFCD0J100ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 1.6 | 40 | EEFCD0J220R | EEFCD0J220ER | 3500 | | |
| | | 22 | 7.3 | 4.3 | 1.8 | 2.0 | 28 | EEFCD0J330R | EEFCD0J330ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0J470R | EEFCD0J470ER | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0J470XR | EEFCD0J470XE | 3500 | | |
| | | | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0J680R | EEFCD0J680ER | 3500 | | |
| | | 68 | 7.3 | 4.3 | 1.8 | 2.7 | 15 | EEFCD0J680XR | EEFCD0J680XE | 3500 | | |
| | | | 8.2 | 7.3 | 4.3 | 1.8 | 1.4 | 55 | EEFCD0K8R2R | EEFCD0K8R2ER | 3500 | |
| | | | 15 | 7.3 | 4.3 | 1.8 | 1.6 | 40 | EEFCD0K150R | EEFCD0K150ER | 3500 | |
| | | | 22 | 7.3 | 4.3 | 1.8 | 2.0 | 28 | EEFCD0K220R | EEFCD0K220ER | 3500 | |
| | | 8 | 33 | 7.3 | 4.3 | 1.8 | 2.5 | 18 | EEFCD0K330R | EEFCD0K330ER | 3500 | |
| | | | 47 | 7.3 | 4.3 | 1.8 | 1.8 | 25 | EEFCD0K470R | EEFCD0K470ER | 3500 | |
| | 22 | | 7.3 | 4.3 | 1.8 | 1.6 | 30 | — | EEFCD1A220ER | 3500 | | |
| | 33 | | 7.3 | 4.3 | 1.8 | 1.8 | 25 | — | EEFCD1A330ER | 3500 | | |
| | 10 | 39 | 7.3 | 4.3 | 1.8 | 1.8 | 25 | — | EEFCD1A390ER | 3500 | | |
| | | 12.5 | 4.7 | 7.3 | 4.3 | 1.8 | 1.0 | 80 | EEFCD1B4R7R | — | 3500 | |
| | | | 10 | 7.3 | 4.3 | 1.8 | 1.0 | 60 | EEFCD1B100R | — | 3500 | |
| | | | 15 | 7.3 | 4.3 | 1.8 | 1.3 | 50 | EEFCD1B150R | — | 3500 | |
| | 22 | | 7.3 | 4.3 | 1.8 | 1.6 | 30 | EEFCD1B220R | — | 3500 | | |
| | 16 | 2.2 | 7.3 | 4.3 | 1.8 | 1.0 | 110 | EEFCD1C2R2R | — | 3500 | | |
| | | 4.7 | 7.3 | 4.3 | 1.8 | 1.0 | 80 | EEFCD1C4R7R | — | 3500 | | |
| | | 6.8 | 7.3 | 4.3 | 1.8 | 1.0 | 70 | EEFCD1C6R8R | — | 3500 | | |
| | | 8.2 | 7.3 | 4.3 | 1.8 | 1.3 | 45 | EEFCD1C8R2R | — | 3500 | | |
| | CX | 2 | 220 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0D221R | 3500 | |
| | | | 270 | 7.3 | 4.3 | 1.9 | 3.0 | 12 | — | EEFCX0D271XR | 3500 | |
| | | | 330 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0D331R | 3500 | |
| | | | | 7.3 | 4.3 | 1.9 | 3.0 | 12 | — | EEFCX0D331XR | 3500 | |
| | | | 390 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0D391R | 3500 | |
| | | | 470 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0D471R | 3500 | |
| | | 2.5 | 220 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0E221R | 3500 | |
| | | | 330 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0E331R | 3500 | |
| | | | 390 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0E391R | 3500 | |
| | | | 470 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0E471R | 3500 | |
| | | | 4 | 150 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0G151R | 3500 |
| | | | | 180 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0G181R | 3500 |
| | | 7.3 | | | 4.3 | 1.9 | 3.0 | 12 | — | EEFCX0G181XR | 3500 | |
| | | 220 | | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0G221R | 3500 | |
| | | | | 7.3 | 4.3 | 1.9 | 3.0 | 12 | — | EEFCX0G221XR | 3500 | |
| | | 6.3 | | 100 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0J101R | 3500 |
| | | | 120 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0J121R | 3500 | |
| | | | 150 | 7.3 | 4.3 | 1.9 | 2.7 | 15 | — | EEFCX0J151R | 3500 | |
| 7.3 | | | | 4.3 | 1.9 | 3.0 | 12 | — | EEFCX0J151XR | 3500 | | |

*1: Ripple current (100 kHz/ +20 to +105 °C), *2: ESR (100 kHz/+20 °C)

*3: Please confirm EE25 in detail of the Mounting Specifications.

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Standard Products

| Series & Size Code | Rated W.V. (V.DC) | Capacitance (±20 %) (μF) | Case Size | | | Specification | | Part number | | Min. Packaging Qty (pcs) | |
|--------------------|-------------------|--------------------------|-----------|--------|--------|----------------------------|-----------------|-----------------------------|--|--------------------------|------|
| | | | L (mm) | W (mm) | H (mm) | Ripple current*1 (Ar.m.s.) | ESR*2 (mΩ max.) | Reflow condition : 240 °C*3 | Reflow condition : 260 °C*3 [Proposal] | | |
| UD | 2 | 330 | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0D331R*4 | EEFUD0D331ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 12 | EEFUD0D331XR*4 | EEFUD0D331XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0D331LR*4 | EEFUD0D331LE*4 | 2000 | |
| | | 390 | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0D391R*4 | EEFUD0D391ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0D391LR*4 | EEFUD0D391LE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0D471LR*4 | EEFUD0D471LE*4 | 2000 | |
| | 2.5 | 220 | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0E221R*4 | EEFUD0E221ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 12 | EEFUD0E221XR*4 | EEFUD0E221XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0E221LR*4 | EEFUD0E221LE*4 | 2000 | |
| | | 270 | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0E271R*4 | EEFUD0E271ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0E271LR*4 | EEFUD0E271LE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0G121R*4 | EEFUD0G121ER*4 | 2000 | |
| | 4 | 120 | 7.3 | 4.3 | 2.8 | 3.4 | 12 | EEFUD0G121XR*4 | EEFUD0G121XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0G151R*4 | EEFUD0G151ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 12 | EEFUD0G151XR*4 | EEFUD0G151XE*4 | 2000 | |
| | | 150 | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0G151LR*4 | EEFUD0G151LE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 2.5 | 18 | EEFUD0G181R*4 | EEFUD0G181ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0G181LR*4 | EEFUD0G181LE*4 | 2000 | |
| | 6.3 | 100 | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0J101R*4 | EEFUD0J101ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 12 | EEFUD0J101XR*4 | EEFUD0J101XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0J121R*4 | EEFUD0J121ER*4 | 2000 | |
| | | 120 | 7.3 | 4.3 | 2.8 | 3.3 | 12 | EEFUD0J121XR*4 | EEFUD0J121XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0J121LR*4 | — | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 2.5 | 18 | EEFUD0J151R*4 | EEFUD0J151ER*4 | 2000 | |
| | 8 | 7.3 | 4.3 | 2.8 | 3.4 | 9 | EEFUD0J151LR*4 | — | 2000 | | |
| | | 68 | 7.3 | 4.3 | 2.8 | 3.0 | 15 | EEFUD0K680R | EEFUD0K680ER | 2000 | |
| | 100 | 7.3 | 4.3 | 2.8 | 2.5 | 18 | EEFUD0K101R | EEFUD0K101ER | 2000 | | |
| | UE | 2 | 270 | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0D271R*4 | EEFUE0D271ER*4 | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0D271XR*4 | EEFUE0D271XE*4 | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0D331R*4 | EEFUE0D331ER*4 | 2000 |
| | | | 330 | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0D331XR*4 | EEFUE0D331XE*4 | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0D391R*4 | EEFUE0D391ER*4 | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0D391XR*4 | EEFUE0D391XE*4 | 2000 |
| | | | 390 | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0D391LR*4 | EEFUE0D391LE*4 | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0D471R*4 | EEFUE0D471ER*4 | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0D471XR*4 | EEFUE0D471XE*4 | 2000 |
| 470 | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0D471LR*4 | EEFUE0D471LE*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0D561R | EEFUE0D561ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0D561LR | EEFUE0D561LE | 2000 | |
| 2.5 | | 220 | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0E221R*4 | EEFUE0E221ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0E221XR*4 | EEFUE0E221XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0E271R*4 | EEFUE0E271ER*4 | 2000 | |
| | | 270 | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0E271XR*4 | EEFUE0E271XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0E331R*4 | EEFUE0E331ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0E331XR*4 | EEFUE0E331XE*4 | 2000 | |
| | | 330 | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0E331LR*4 | EEFUE0E331LE*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0E391R*4 | EEFUE0E391ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0E391LR*4 | EEFUE0E391LE*4 | 2000 | |
| | | 390 | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0E471R | EEFUE0E471ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0E471LR | EEFUE0E471LE | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0G181R*4 | EEFUE0G181ER*4 | 2000 | |
| 4 | | 180 | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0G181XR*4 | EEFUE0G181XE*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0G221R*4 | EEFUE0G221ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0G221XR*4 | EEFUE0G221XE*4 | 2000 | |
| | | 220 | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0G221LR*4 | EEFUE0G221LE*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0G271R | EEFUE0G271ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0G271LR | EEFUE0G271LE | 2000 | |
| | | 270 | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0G331R | EEFUE0G331ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0J151R*4 | EEFUE0J151ER*4 | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0J151XR*4 | EEFUE0J151XE*4 | 2000 | |
| | | 6.3 | 150 | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0J181R | EEFUE0J181ER | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 10 | EEFUE0J181XR | EEFUE0J181XE | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0J181LR | — | 2000 |
| 180 | | | 7.3 | 4.3 | 4.2 | 3.0 | 15 | EEFUE0J221R | EEFUE0J221ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 7 | EEFUE0J221LR | — | 2000 | |
| | | | 100 | 7.3 | 4.3 | 4.2 | 3.3 | 12 | EEFUE0K101R*4 | EEFUE0K101ER*4 | 2000 |
| 8 | | 150 | 7.3 | 4.3 | 4.2 | 3.0 | 15 | EEFUE0K151R | EEFUE0K151ER | 2000 | |

*1: Ripple current (100 kHz/ +20 to +105 °C), *2: ESR (100 kHz/+20 °C)

*3: Please confirm EE25 in detail of the Mounting Specifications.

*4: Please use proposal part number of EE12, 13 when examining it.

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00 Sep. 2010