

# Mica Capacitors **Standard Dipped**

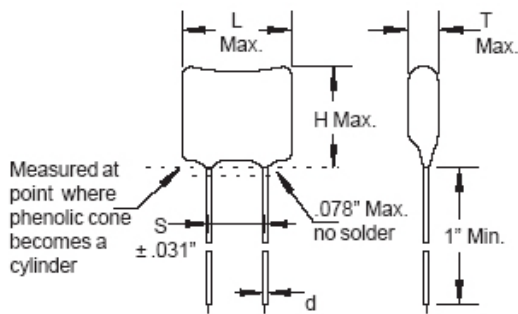
## Types CD10, D10, CD15, CD19, CD30, CD42, CDV19, CDV30



Stability and mica go hand-in-hand when you need to count on stable capacitance over a wide temperature range. CDE's standard dipped silvered mica capacitors are the first choice for timing and close tolerance applications. These standard types are widely available through distribution

### Highlights

- MIL-C-5 military styles available
- Reel packaging available
- High temperature – up to +150 °C
- Dimensions meet EIA RS153B specification
- 100,000 V/μs dV/dt pulse capability minimum
- Non-flammable units that meet IEC 695-2-2 are available



### Specifications

**Capacitance Range:** 1 pF to 91,000 pF

**Voltage Range:** 100 Vdc to 2,500 Vdc

**Capacitance Tolerance:** ±1/2 pF (D), ±1 pF (C), ±1/2% (E), ±1% (F), ±2% (G), ±5% (J)

**Temperature Range:** –55 °C to +125 °C (O) –55 °C to +150 °C (P)\*

**Dielectric Strength Test:** 200% of rated voltage

\* P temperature range available for types CD10, CD15, CD19, CD30, CD42 and CDA15

### Ratings

| Cap (pF) | Volts (Vdc) | Catalog Part Number | L (in) (mm) | H (in) (mm) | T (in) (mm) | S (in) (mm) | d (in) (mm) |
|----------|-------------|---------------------|-------------|-------------|-------------|-------------|-------------|
| 1        | 500         | CD10CD010D03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 1        | 500         | CD15CD010D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 2        | 500         | CD10CD020D03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 2        | 500         | CD15CD020D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 3        | 500         | CD10CD03F0D03F      | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 3        | 500         | CD15CD03F0D03F      | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 4        | 500         | CD15CD040D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 5        | 500         | CD10CD050D03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 5        | 500         | CD15CD050D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 5        | 1,000       | CDV19CF050D03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7) | 0.032 (.8)  |
| 6        | 500         | CD10CD060D03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 6        | 500         | CD15CD060D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 6        | 1,000       | CDV19CF060D03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7) | 0.032 (.8)  |
| 7        | 500         | CD10CD070D03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 7        | 500         | CD15CD070D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 7        | 1,000       | CDV19CF070D03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7) | 0.032 (.8)  |
| 8        | 500         | CD10CD080D03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 8        | 500         | CD15CD080D03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 8        | 1,000       | CDV19CF080D03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7) | 0.032 (.8)  |
| 10       | 500         | CD10CD100J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 10       | 500         | CD15CD100J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 10       | 1,000       | CDV19CF100J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7) | 0.032 (.8)  |
| 12       | 500         | CD10CD120J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6) | 0.016 (.4)  |
| 12       | 500         | CD15CD120J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9) | 0.025 (.6)  |
| 12       | 1,000       | CDV19CF120J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7) | 0.032 (.8)  |

| Cap (pF) | Volts (Vdc) | Catalog Part Number | L (in) (mm) | H (in) (mm) | T (in) (mm) | S (in) (mm)  | d (in) (mm) |
|----------|-------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| 15       | 500         | CD10CD150J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |
| 15       | 500         | CD15CD150J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9)  | 0.025 (.6)  |
| 15       | 1000        | CDV19CF150J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 (.8)  |
| 18       | 500         | CD10CD180J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |
| 18       | 500         | CD15CD180J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9)  | 0.025 (.6)  |
| 18       | 1000        | CDV19CF180J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 (.8)  |
| 20       | 500         | CD10ED200J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |
| 20       | 500         | CD15ED200J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9)  | 0.025 (.6)  |
| 20       | 1000        | CDV19EF200J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 (.8)  |
| 22       | 500         | CD10ED220J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |
| 22       | 500         | CD15ED220J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9)  | 0.025 (.6)  |
| 22       | 1000        | CDV19EF220J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 (.8)  |
| 24       | 500         | CD10ED240J03F       | 0.36 (9.1)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |
| 24       | 500         | CD15ED240J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9)  | 0.025 (.6)  |
| 24       | 1000        | CDV19EF240J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 (.8)  |
| 24       | 1,500       | CDV30EH240J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 24       | 2000        | CDV30EJ240J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 24       | 2500        | CDV30EK240J03F      | 0.78 (19.8) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 27       | 500         | CD10ED270J03F       | 0.37 (9.4)  | 0.33 (8.4)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |
| 27       | 500         | CD15ED270J03F       | 0.45 (11.4) | 0.36 (9.1)  | 0.17 (4.3)  | 0.234 (5.9)  | 0.025 (.6)  |
| 27       | 1000        | CDV19EF270J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 (.8)  |
| 27       | 1,500       | CDV30EH270J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 27       | 2000        | CDV30EJ270J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 27       | 2500        | CDV30EK270J03F      | 0.78 (19.8) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 30       | 500         | CD10ED300J03F       | 0.37 (9.4)  | 0.34 (8.6)  | 0.19 (4.8)  | 0.141 (3.6)  | 0.016 (.4)  |



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|----------|-------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| 240      | 500         | CD10FD241J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 240      | 500         | CD15FD241J03F       | 0.46 (11.7) | 0.38 (9.7)  | 0.20 (5.1)  | 0.234 (5.9)  | 0.025 ( .6) |
| 240      | 500         | CD19FD241J03F       | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 240      | 1,000       | CDV19FF241J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 240      | 1,500       | CDV30FH241J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 240      | 2,000       | CDV30FJ241J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 250      | 500         | CD10FD251J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 250      | 500         | CD15FD251J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 250      | 500         | CD19FD251J03F       | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 270      | 300         | CD10FC271J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 270      | 500         | CD19FD271J03F       | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 270      | 500         | D105F271J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 270      | 500         | CD15FD271J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 270      | 1,000       | CDV19FF271J03F      | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 270      | 1,500       | CDV30FH271J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 270      | 2,000       | CDV30FJ271J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 300      | 300         | CD10FC301J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 300      | 500         | D105F301J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 300      | 500         | CD15FD301J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 300      | 500         | CD19FD301J03F       | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 300      | 2,000       | CDV30FJ301J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 330      | 100         | CD10FA331J03F       | 0.39 (9.9)  | 0.37 (9.4)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 330      | 500         | D105F331J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 330      | 500         | CD15FD331J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 330      | 500         | CD19FD331J03F       | 0.64 (16.3) | 0.50 (12.7) | 0.19 (4.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 330      | 2,000       | CDV30FJ331J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 330      | 2,500       | CDV30FK331J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 360      | 100         | CD10FA361J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 360      | 500         | D105F361J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 360      | 500         | CD15FD361J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 360      | 500         | CD19FD361J03F       | 0.64 (16.3) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 390      | 100         | CD10FA391J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 390      | 500         | D105F391J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 390      | 500         | CD15FD391J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 390      | 500         | CD19FD391J03F       | 0.64 (16.3) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 390      | 1,000       | CDV19FF391J03F      | 0.65 (16.5) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 390      | 1,500       | CDV30FH391J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 400      | 100         | CD10FA401J03F       | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 430      | 500         | D105F431J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 430      | 500         | CD15FD431J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 430      | 500         | CD19FD431J03F       | 0.64 (16.3) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 430      | 1,500       | CDV30FH431J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 470      | 500         | D105F471J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 470      | 500         | CD15FD471J03F       | 0.47 (11.9) | 0.40 (10.2) | 0.22 (5.6)  | 0.234 (5.9)  | 0.025 ( .6) |
| 470      | 500         | CD19FD471J03F       | 0.64 (16.3) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 470      | 1,500       | CDV30FH471J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 470      | 2,000       | CDV30FJ471J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 470      | 2,500       | CDV30FK471J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 500      | 500         | D105F501J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 500      | 500         | CD15FD501J03F       | 0.47 (11.9) | 0.40 (10.2) | 0.22 (5.6)  | 0.234 (5.9)  | 0.025 ( .6) |
| 500      | 500         | CD19FD501J03F       | 0.64 (16.3) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 500      | 1,500       | CDV30FH501J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 500      | 2,000       | CDV30FJ501J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 500      | 2,500       | CDV30FK501J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 510      | 500         | D105F511J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 510      | 500         | CD15FD511J03F       | 0.47 (11.9) | 0.40 (10.2) | 0.22 (5.6)  | 0.234 (5.9)  | 0.025 ( .6) |
| 510      | 500         | CD19FD511J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 510      | 1,500       | CDV30FH511J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 510      | 2,000       | CDV30FJ511J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 510      | 2,500       | CDV30FK511J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 560      | 300         | D103F561J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 560      | 300         | CD15FC561J03F       | 0.46 (11.7) | 0.38 (9.7)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 560      | 500         | CD19FD561J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 560      | 1,000       | CDV19FF561J03F      | 0.65 (16.5) | 0.51 (13.0) | 0.21 (5.3)  | 0.344 (8.7)  | 0.032 ( .8) |
| 560      | 1,500       | CDV30FH561J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 560      | 2,000       | CDV30FJ561J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 560      | 2,500       | CDV30FK561J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |

| Cap (pF) | Volts (Vdc) | Catalog Part Number | L (in) (mm) | H (in) (mm) | T (in) (mm) | S (in) (mm)  | d (in) (mm) |
|----------|-------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| 620      | 300         | D103F621J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 620      | 300         | CD15FC621J03F       | 0.46 (11.7) | 0.38 (9.7)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 620      | 500         | CD19FD621J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.20 (5.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 620      | 1,500       | CDV30FH621J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 620      | 2,000       | CDV30FJ621J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 620      | 2,500       | CDV30FK621J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 680      | 300         | D103F681J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 680      | 300         | CD15FC681J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 680      | 500         | CD19FD681J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.21 (5.3)  | 0.344 (8.7)  | 0.032 ( .8) |
| 680      | 1,000       | CDV19FF681J03F      | 0.66 (16.8) | 0.52 (13.2) | 0.22 (5.6)  | 0.344 (8.7)  | 0.032 ( .8) |
| 680      | 1,500       | CDV30FH681J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 680      | 2,000       | CDV30FJ681J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 680      | 2,500       | CDV30FK681J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 750      | 300         | D103F751J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 750      | 300         | CD15FC751J03F       | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 750      | 500         | CD19FD751J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.21 (5.3)  | 0.344 (8.7)  | 0.032 ( .8) |
| 750      | 1,500       | CDV30FH751J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 750      | 2,000       | CDV30FJ751J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 750      | 2,500       | CDV30FK751J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 820      | 300         | D103F821J03F        | 0.47 (11.9) | 0.39 (9.9)  | 0.21 (5.3)  | 0.234 (5.9)  | 0.025 ( .6) |
| 820      | 500         | CD19FD821J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.21 (5.3)  | 0.344 (8.7)  | 0.032 ( .8) |
| 820      | 1,000       | CDV19FF821J03F      | 0.66 (16.8) | 0.53 (13.5) | 0.23 (5.8)  | 0.344 (8.7)  | 0.032 ( .8) |
| 820      | 1,500       | CDV30FH821J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 820      | 2,000       | CDV30FJ821J03F      | 0.77 (19.6) | 0.87 (22.1) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 820      | 2,500       | CDV30FK821J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 910      | 100         | D101F911J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 910      | 100         | CD15FA911J03F       | 0.47 (11.9) | 0.40 (10.2) | 0.22 (5.6)  | 0.234 (5.9)  | 0.025 ( .6) |
| 910      | 500         | CD19FD911J03F       | 0.65 (16.5) | 0.51 (13.0) | 0.21 (5.3)  | 0.344 (8.7)  | 0.032 ( .8) |
| 910      | 1,000       | CDV19FF911J03F      | 0.67 (17.0) | 0.53 (13.5) | 0.24 (6.1)  | 0.344 (8.7)  | 0.032 ( .8) |
| 910      | 1,500       | CDV30FH911J03F      | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 910      | 2,000       | CDV30FJ911J03F      | 0.78 (19.8) | 0.88 (22.4) | 0.28 (7.1)  | 0.438 (11.1) | 0.040 (1.0) |
| 910      | 2,500       | CDV30FK911J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.29 (7.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 1000     | 100         | D101F102J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 1000     | 100         | CD15FA102J03F       | 0.48 (12.2) | 0.40 (10.2) | 0.23 (5.8)  | 0.234 (5.9)  | 0.025 ( .6) |
| 1000     | 500         | CD19FD102J03F       | 0.65 (16.5) | 0.52 (13.2) | 0.22 (5.6)  | 0.344 (8.7)  | 0.032 ( .8) |
| 1000     | 1,000       | CDV19FF102J03F      | 0.67 (17.0) | 0.53 (13.5) | 0.25 (6.4)  | 0.344 (97)   | 0.032 ( .8) |
| 1000     | 1,500       | CDV30FH102J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 1000     | 2,000       | CDV30FJ102J03F      | 0.78 (19.8) | 0.88 (22.4) | 0.28 (7.1)  | 0.438 (11.1) | 0.040 (1.0) |
| 1000     | 2,500       | CDV30FK102J03F      | 0.79 (20.1) | 0.88 (22.4) | 0.31 (7.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 1100     | 100         | D101F112J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 1100     | 100         | CD15FA112J03F       | 0.49 (12.4) | 0.42 (10.7) | 0.24 (6.1)  | 0.234 (5.9)  | 0.025 ( .6) |
| 1100     | 500         | CD19FD112J03F       | 0.65 (16.5) | 0.52 (13.2) | 0.22 (5.6)  | 0.344 (8.7)  | 0.032 ( .8) |
| 1100     | 1,000       | CDV19FF112J03F      | 0.67 (17.0) | 0.53 (13.5) | 0.25 (6.4)  | 0.344 (8.7)  | 0.032 ( .8) |
| 1100     | 1,500       | CDV30FH112J03F      | 0.77 (19.6) | 0.86 (21.8) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 1200     | 100         | D101F122J03F        | 0.39 (9.9)  | 0.38 (9.7)  | 0.22 (5.6)  | 0.141 (3.6)  | 0.016 ( .4) |
| 1200     | 100         | CD15FA122J03F       | 0.49 (12.4) | 0.42 (10.7) | 0.24 (6.1)  | 0.234 (5.9)  | 0.025 ( .6) |

# Mica Capacitors Standard Dipped

| Cap (pF) | Volts (Vdc) | Catalog Part Number | L (in) (mm) | H (in) (mm) | T (in) (mm) | S (in) (mm)  | d (in) (mm) | Cap (pF) | Volts (Vdc) | Catalog Part Number | L (in) (mm) | H (in) (mm) | T (in) (mm) | S (in) (mm)  | d (in) (mm) |
|----------|-------------|---------------------|-------------|-------------|-------------|--------------|-------------|----------|-------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| 1600     | 2,000       | CDV30F162J03F       | 0.79 (20.1) | 0.89 (22.6) | 0.32 (8.1)  | 0.438 (11.1) | 0.040 (1.0) | 5100     | 500         | CD19FD512J03F       | 0.71 (18.0) | 0.59 (15.0) | 0.37 (9.4)  | 0.344 (8.7)  | 0.032 (.8)  |
| 1600     | 2,500       | CDV30FK162J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.35 (8.9)  | 0.438 (11.1) | 0.040 (1.0) | 5100     | 500         | CD30FD512J03F       | 0.78 (19.8) | 0.86 (21.8) | 0.28 (7.1)  | 0.438 (11.1) | 0.040 (1.0) |
| 1800     | 500         | CD19FD182J03F       | 0.67 (17.0) | 0.53 (13.5) | 0.24 (6.1)  | 0.344 (8.7)  | 0.032 (.8)  | 5100     | 1,000       | CDV30FF512J03F      | 0.79 (20.1) | 0.88 (22.4) | 0.33 (8.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 1800     | 1000        | CDV19FF182J03F      | 0.68 (17.3) | 0.55 (14.0) | 0.29 (7.4)  | 0.344 (8.7)  | 0.032 (.8)  | 5100     | 1500        | CDV30FH512J03F      | 0.81 (20.6) | 0.90 (22.9) | 0.39 (9.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 1800     | 1500        | CDV30FH182J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.29 (7.4)  | 0.438 (11.1) | 0.040 (1.0) | 5600     | 300         | CD19FC562J03F       | 0.68 (17.3) | 0.56 (14.2) | 0.31 (7.9)  | 0.344 (8.7)  | 0.032 (.8)  |
| 1800     | 2000        | CDV30FJ182J03F      | 0.79 (20.1) | 0.89 (22.6) | 0.34 (8.6)  | 0.438 (11.1) | 0.040 (1.0) | 5600     | 500         | CD30FD562J03F       | 0.78 (19.8) | 0.87 (22.1) | 0.29 (7.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 1800     | 2,500       | CDV30FK182J03F      | 0.81 (20.6) | 0.90 (22.9) | 0.37 (9.4)  | 0.438 (11.1) | 0.040 (1.0) | 5600     | 1,000       | CDV30FF562J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.34 (8.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 2000     | 500         | CD19FD202J03F       | 0.67 (17.0) | 0.53 (13.5) | 0.24 (6.1)  | 0.344 (8.7)  | 0.032 (.8)  | 5600     | 1,500       | CDV30FH562J03F      | 0.82 (20.8) | 0.91 (23.1) | 0.40 (10.2) | 0.438 (11.1) | 0.040 (1.0) |
| 2000     | 500         | CD30FD202J03F       | 0.77 (19.6) | 0.85 (21.6) | 0.24 (6.1)  | 0.438 (11.1) | 0.040 (1.0) | 6200     | 300         | CD19FC622J03F       | 0.69 (17.5) | 0.56 (14.2) | 0.32 (8.1)  | 0.344 (8.7)  | 0.032 (.8)  |
| 2000     | 1000        | CDV19FF202J03F      | 0.68 (17.3) | 0.56 (14.2) | 0.30 (7.6)  | 0.344 (8.7)  | 0.032 (.8)  | 6800     | 300         | CD19FC682J03F       | 0.69 (17.5) | 0.57 (14.5) | 0.33 (8.4)  | 0.344 (8.7)  | 0.032 (.8)  |
| 2000     | 1,500       | CDV30FH202J03F      | 0.78 (19.8) | 0.87 (22.1) | 0.30 (7.6)  | 0.438 (11.1) | 0.040 (1.0) | 6200     | 500         | CD30FD622J03F       | 0.78 (19.8) | 0.87 (22.1) | 0.29 (7.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 2100     | 2,000       | CDV30FJ212J03F      | 0.80 (20.3) | 0.90 (22.9) | 0.36 (9.1)  | 0.438 (11.1) | 0.040 (1.0) | 6200     | 1,000       | CDV30FF622J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.35 (8.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 2100     | 2,500       | CDV30FK212J03F      | 0.82 (20.8) | 0.91 (23.1) | 0.39 (9.9)  | 0.438 (11.1) | 0.040 (1.0) | 6200     | 1,500       | CDV30FH622J03F      | 0.82 (20.8) | 0.91 (23.1) | 0.41 (10.4) | 0.438 (11.1) | 0.040 (1.0) |
| 2200     | 500         | CD19FD222J03F       | 0.67 (17.0) | 0.53 (13.5) | 0.25 (6.4)  | 0.344 (8.7)  | 0.032 (.8)  | 6800     | 500         | CD30FD682J03F       | 0.78 (19.8) | 0.88 (22.4) | 0.30 (7.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 2200     | 500         | CD30FD222J03F       | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) | 6800     | 1000        | CDV30FF682J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.36 (9.1)  | 0.438 (11.1) | 0.040 (1.0) |
| 2200     | 1000        | CDV19FF222J03F      | 0.69 (17.5) | 0.56 (14.2) | 0.31 (7.9)  | 0.344 (8.7)  | 0.032 (.8)  | 6800     | 1500        | CDV30FH682J03F      | 0.83 (21.1) | 0.92 (23.4) | 0.42 (10.7) | 0.438 (11.1) | 0.040 (1.0) |
| 2200     | 1,500       | CDV30FH222J03F      | 0.79 (20.1) | 0.88 (22.4) | 0.31 (7.9)  | 0.438 (11.1) | 0.040 (1.0) | 7500     | 100         | CD19FA752J03F       | 0.70 (17.8) | 0.57 (14.5) | 0.34 (8.6)  | 0.344 (8.7)  | 0.032 (.8)  |
| 2400     | 500         | CD19FD242J03F       | 0.67 (17.0) | 0.54 (13.7) | 0.26 (6.6)  | 0.344 (8.7)  | 0.032 (.8)  | 7500     | 500         | CD30FD752J03F       | 0.79 (20.1) | 0.88 (22.4) | 0.31 (7.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 2400     | 500         | CD30FD242J03F       | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) | 7500     | 1,000       | CDV30FF752J03F      | 0.81 (20.6) | 0.89 (22.6) | 0.37 (9.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 2400     | 1000        | CDV19FF242J03F      | 0.69 (17.5) | 0.57 (14.5) | 0.32 (8.1)  | 0.344 (8.7)  | 0.032 (.8)  | 7500     | 1,500       | CDV30FH752J03F      | 0.83 (21.1) | 0.92 (23.4) | 0.42 (10.7) | 0.438 (11.1) | 0.040 (1.0) |
| 2400     | 1,500       | CDV30FH242J03F      | 0.79 (20.1) | 0.88 (22.4) | 0.32 (8.1)  | 0.438 (11.1) | 0.040 (1.0) | 8200     | 100         | CD19FA822J03F       | 0.70 (17.8) | 0.58 (14.7) | 0.35 (8.9)  | 0.344 (8.7)  | 0.032 (.8)  |
| 2400     | 2,000       | CDV30FJ242J03F      | 0.80 (20.3) | 0.90 (22.9) | 0.38 (9.7)  | 0.438 (11.1) | 0.040 (1.0) | 8200     | 500         | CD30FD822J03F       | 0.79 (20.1) | 0.88 (22.4) | 0.32 (8.1)  | 0.438 (11.1) | 0.040 (1.0) |
| 2400     | 2,500       | CDV30FK242J03F      | 0.82 (20.8) | 0.91 (23.1) | 0.42 (10.7) | 0.438 (11.1) | 0.040 (1.0) | 8200     | 1,000       | CDV30FF822J03F      | 0.81 (20.6) | 0.90 (22.9) | 0.39 (9.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 2500     | 500         | CD19FD252J03F       | 0.68 (17.3) | 0.54 (13.7) | 0.26 (6.6)  | 0.344 (8.7)  | 0.032 (.8)  | 8200     | 1500        | CDV30FH822J03F      | 0.84 (21.3) | 0.93 (23.6) | 0.46 (11.7) | 0.438 (11.1) | 0.040 (1.0) |
| 2500     | 500         | CD30FD252J03F       | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) | 9100     | 100         | CD19FA912J03F       | 0.71 (18.0) | 0.59 (15.0) | 0.36 (9.1)  | 0.344 (8.7)  | 0.032 (.8)  |
| 2500     | 1500        | CDV30FH252J03F      | 0.79 (20.1) | 0.88 (22.4) | 0.32 (8.1)  | 0.438 (11.1) | 0.040 (1.0) | 9100     | 500         | CD30FD912J03F       | 0.79 (20.1) | 0.88 (22.4) | 0.33 (8.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 2500     | 2,000       | CDV30FJ252J03F      | 0.80 (20.3) | 0.90 (22.9) | 0.38 (9.7)  | 0.438 (11.1) | 0.040 (1.0) | 9100     | 1,000       | CDV30FF912J03F      | 0.82 (20.8) | 0.90 (22.9) | 0.41 (10.4) | 0.438 (11.1) | 0.040 (1.0) |
| 2500     | 2,500       | CDV30FK252J03F      | 0.82 (20.8) | 0.91 (23.1) | 0.42 (10.7) | 0.438 (11.1) | 0.040 (1.0) | 10000    | 100         | CD19FA103J03F       | 0.72 (18.3) | 0.60 (15.2) | 0.37 (9.4)  | 0.344 (8.7)  | 0.032 (.8)  |
| 2700     | 500         | CD19FD272J03F       | 0.68 (17.3) | 0.54 (13.7) | 0.27 (6.9)  | 0.344 (8.7)  | 0.032 (.8)  | 10000    | 500         | CD30FD103J03F       | 0.80 (20.3) | 0.89 (22.6) | 0.34 (8.6)  | 0.438 (11.1) | 0.040 (1.0) |
| 2700     | 500         | CD30FD272J03F       | 0.77 (19.6) | 0.85 (21.6) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) | 10000    | 1000        | CDV30FF103J03F      | 0.82 (20.8) | 0.91 (23.1) | 0.42 (10.7) | 0.438 (11.1) | 0.040 (1.0) |
| 2700     | 1,000       | CDV19FF272J03F      | 0.70 (17.8) | 0.57 (14.5) | 0.34 (8.6)  | 0.344 (8.7)  | 0.032 (.8)  | 11000    | 500         | CD30FD113J03F       | 0.80 (20.3) | 0.89 (22.6) | 0.35 (8.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 2700     | 1,500       | CDV30FH272J03F      | 0.79 (20.1) | 0.88 (22.4) | 0.33 (8.4)  | 0.438 (11.1) | 0.040 (1.0) | 11000    | 1,000       | CDV30FF113J03F      | 0.83 (21.1) | 0.91 (23.1) | 0.44 (11.2) | 0.438 (11.1) | 0.040 (1.0) |
| 2700     | 2,000       | CDV30FJ272J03F      | 0.81 (20.6) | 0.91 (23.1) | 0.40 (10.2) | 0.438 (11.1) | 0.040 (1.0) | 12000    | 500         | CD30FD123J03F       | 0.80 (20.3) | 0.89 (22.6) | 0.36 (9.1)  | 0.438 (11.1) | 0.040 (1.0) |
| 2700     | 2,500       | CDV30FK272J03F      | 0.83 (21.1) | 0.92 (23.4) | 0.45 (11.4) | 0.438 (11.1) | 0.040 (1.0) | 12000    | 1000        | CDV30FF123J03F      | 0.83 (21.1) | 0.92 (23.4) | 0.46 (11.7) | 0.438 (11.1) | 0.040 (1.0) |
| 3000     | 500         | CD19FD302J03F       | 0.68 (17.3) | 0.55 (14.0) | 0.28 (7.1)  | 0.344 (8.7)  | 0.032 (.8)  | 13000    | 500         | CD30FD133J03F       | 0.81 (20.6) | 0.89 (22.6) | 0.37 (9.4)  | 0.438 (11.1) | 0.040 (1.0) |
| 3000     | 500         | CD30FD302J03F       | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) | 13000    | 1000        | CDV30FF133J03F      | 0.84 (21.3) | 0.93 (23.6) | 0.48 (12.2) | 0.438 (11.1) | 0.040 (1.0) |
| 3000     | 1,000       | CDV19FF302J03F      | 0.71 (18.0) | 0.58 (14.7) | 0.36 (9.1)  | 0.344 (8.7)  | 0.032 (.8)  | 15000    | 500         | CD30FD153J03F       | 0.81 (20.6) | 0.90 (22.9) | 0.39 (9.9)  | 0.438 (11.1) | 0.040 (1.0) |
| 3000     | 1,500       | CDV30FH302J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.34 (8.6)  | 0.438 (11.1) | 0.040 (1.0) | 16000    | 500         | CD30FD163J03F       | 0.82 (20.8) | 0.90 (22.9) | 0.41 (10.4) | 0.438 (11.1) | 0.040 (1.0) |
| 3000     | 2,000       | CDV30FJ302J03F      | 0.81 (20.6) | 0.91 (23.1) | 0.42 (10.7) | 0.438 (11.1) | 0.040 (1.0) | 18000    | 500         | CD30FD183J03F       | 0.82 (20.8) | 0.91 (23.1) | 0.43 (10.9) | 0.438 (11.1) | 0.040 (1.0) |
| 3000     | 2,500       | CDV30FK302J03F      | 0.84 (21.3) | 0.93 (23.6) | 0.48 (12.2) | 0.438 (11.1) | 0.040 (1.0) | 20000    | 500         | CD30FD203J03F       | 0.83 (21.1) | 0.92 (23.4) | 0.45 (11.4) | 0.438 (11.1) | 0.040 (1.0) |
| 3300     | 500         | CD19FD332J03F       | 0.68 (17.3) | 0.55 (14.0) | 0.29 (7.4)  | 0.344 (8.7)  | 0.032 (.8)  | 20000    | 500         | CD42FD203J03F       | 1.42 (36.1) | 0.87 (22.1) | 0.30 (7.6)  | 1.063 (27.0) | 0.040 (1.0) |
| 3300     | 500         | CD30FD332J03F       | 0.77 (19.6) | 0.86 (21.8) | 0.25 (6.4)  | 0.438 (11.1) | 0.040 (1.0) | 22000    | 500         | CD30FD223J03F       | 0.83 (21.1) | 0.93 (23.6) | 0.46 (11.7) | 0.438 (11.1) | 0.040 (1.0) |
| 3300     | 1,000       | CDV19FF332J03F      | 0.72 (18.3) | 0.59 (15.0) | 0.38 (9.7)  | 0.344 (8.7)  | 0.032 (.8)  | 22000    | 500         | CD42FD223J03F       | 1.42 (36.1) | 0.88 (22.4) | 0.31 (7.9)  | 1.063 (27.0) | 0.040 (1.0) |
| 3300     | 1500        | CDV30FH332J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.35 (8.9)  | 0.438 (11.1) | 0.040 (1.0) | 24000    | 300         | CD30FC243J03F       | 0.82 (20.8) | 0.90 (22.9) | 0.41 (10.4) | 0.438 (11.1) | 0.040 (1.0) |
| 3300     | 2000        | CDV30FJ332J03F      | 0.82 (20.8) | 0.92 (23.4) | 0.44 (11.2) | 0.438 (11.1) | 0.040 (1.0) | 24000    | 500         | CD42FD243J03F       | 1.43 (36.3) | 0.88 (22.4) | 0.32 (8.1)  | 1.063 (27.0) | 0.040 (1.0) |
| 3600     | 500         | CD19FD362J03F       | 0.68 (17.3) | 0.56 (14.2) | 0.30 (7.6)  | 0.344 (8.7)  | 0.032 (.8)  | 25000    | 300         | CD30FC253J03F       | 0.82 (20.8) | 0.91 (23.1) | 0.43 (10.9) | 0.438 (11.1) | 0.040 (1.0) |
| 3600     | 500         | CD30FD362J03F       | 0.77 (19.6) | 0.86 (21.8) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) | 25000    | 500         | CD42FD253J03F       | 1.43 (36.3) | 0.88 (22.4) | 0.33 (8.4)  | 1.063 (27.0) | 0.040 (1.0) |
| 3600     | 1,000       | CDV19FF362J03F      | 0.73 (18.5) | 0.60 (15.2) | 0.40 (10.2) | 0.344 (8.7)  | 0.032 (.8)  | 27000    | 300         | CD30FC273J03F       | 0.82 (20.8) | 0.91 (23.1) | 0.43 (10.9) | 0.438 (11.1) | 0.040 (1.0) |
| 3600     | 1,500       | CDV30FH362J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.35 (8.9)  | 0.438 (11.1) | 0.040 (1.0) | 27000    | 500         | CD42FD273J03F       | 1.43 (36.3) | 0.88 (22.4) | 0.33 (8.4)  | 1.063 (27.0) | 0.040 (1.0) |
| 3600     | 2000        | CDV30FJ362J03F      | 0.82 (20.8) | 0.92 (23.4) | 0.44 (11.2) | 0.438 (11.1) | 0.040 (1.0) | 30000    | 300         | CD30FC303J03F       | 0.83 (21.1) | 0.92 (23.4) | 0.46 (11.7) | 0.438 (11.1) | 0.040 (1.0) |
| 3900     | 500         | CD19FD392J03F       | 0.69 (17.5) | 0.56 (14.2) | 0.31 (7.9)  | 0.344 (8.7)  | 0.032 (.8)  | 30000    | 500         | CD42FD303J03F       | 1.44 (36.6) | 0.89 (22.6) | 0.35 (8.9)  | 1.063 (27.0) | 0.040 (1.0) |
| 3900     | 500         | CD30FD392J03F       | 0.77 (19.6) | 0.86 (21.8) | 0.26 (6.6)  | 0.438 (11.1) | 0.040 (1.0) | 33000    | 100         | CD30FA333J03F       | 0.83 (21.1) | 0.91 (23.1) | 0.44 (11.2) | 0.438 (11.1) | 0.040 (1.0) |
| 3900     | 1,000       | CDV19FF392J03F      | 0.74 (18.8) | 0.61 (15.5) | 0.42 (10.7) | 0.344 (8.7)  | 0.032 (.8)  | 33000    | 500         | CD42FD333J03F       | 1.44 (36.6) | 0.89 (22.6) | 0.36 (9.1)  | 1.063 (27.0) | 0.040 (1.0) |
| 3900     | 1500        | CDV30FH392J03F      | 0.80 (20.3) | 0.89 (22.6) | 0.36 (9.1)  | 0.438 (11.1) | 0.040 (1.0) | 36000    | 100         | CD30FA363J03F       | 0.83 (21.1) | 0.92 (23.4) | 0.45 (11.4) | 0.438 (11.1) | 0.040 (1.0) |
| 3900     | 2000        | CDV30FJ392J03F      | 0.83 (21.1) | 0.93 (23.6) | 0.46 (11.7) | 0.438 (11.1) | 0.040 (1.0) | 36000    | 500         | CD42FD363J03F       | 1.45 (36.8) | 0.90 (22.9) | 0.38 (9.7)  | 1.063 (27.0) | 0.040 (1.0) |
| 4300     | 500         | CD19FD432J03F       | 0.69 (17.5) | 0.57 (14.5) | 0.33 (8.4)  | 0.344 (8.7)  | 0.032 (.8)  | 39000    | 500         | CD42FD393J03F       | 1.45 (36.8) | 0.90 (22.9) | 0.40 (10.2) | 1.063 (27.0) | 0.040 (1.0) |
| 4300     | 500         | CD30FD432J03F       | 0.78 (19.8) | 0.86 (21.8) | 0.27 (6.9)  | 0.438 (11.1) | 0.040 (1.0) | 40000    | 100         | CD30FA403J03F       | 0.84 (21.3) | 0.92 (23.4) | 0.47 (11    |              |             |