

# Ordering Information Radial-Leaded Dipped Mica Capacitors

## Ordering Information

Order by complete part number as below. For other options, write your requirements on your purchase order or request for quotation.

**Note: RoHS compliant not available for CD6, CD7 or MIL-C5 parts.**

## Radial-Leaded Silvered Mica Capacitors (Except D7, D10\*)

|                       |                                 |   |  |   |  |                             |   |
|-----------------------|---------------------------------|---|--|---|--|-----------------------------|---|
| <b>CD15</b><br>Series | <b>C</b><br>Characteristic Code | <b>D</b><br>Voltage (Vdc)                               | <b>100</b><br>Capacitance (pF)                               | <b>J</b><br>Capacitance Tolerance                             | <b>O</b><br>Temperature Range                  | <b>3</b><br>Vibration Grade | <b>F</b><br>Blank = Not Specified<br>F = RoHS Compliant |
|                       |                                 | Y = 50 Vdc<br>A = 100 Vdc<br>C = 300 Vdc<br>D = 500 Vdc | F = 1000 Vdc<br>H = 1500 Vdc<br>J = 2000 Vdc<br>K = 2500 Vdc | 010 = 1 pF<br>(1.5) = 1.5 pF<br>361 = 360 pF<br>122 = 1200 pF | O = -55 °C to +125 °C<br>P = -55 °C to +150 °C |                             |   |

| Code | Temp. Coeff. ppm/ °C | Capacitance Drift | Standard Cap. Range |
|------|----------------------|-------------------|---------------------|
| C    | -200 to +200         | ±(0.5% +0.1pF)    | 1–18 pF             |
| E    | -20 to +100          | ±(0.1% +0.1 pF)   | 20–82 pF            |
| F    | 0 to +70             | ±(0.05% +0.1 pF)  | 91 pF and up        |

| No. | MIL-STD-202            | Vibration Condition (Hz) |
|-----|------------------------|--------------------------|
| 1   | Method 201             | 10 to 55                 |
| 3   | Method 204 Condition D | 10 to 2,000              |

Standard vibration grade is 3, the more severe requirement

## Options Available

- ◆ Non-flammable units per IEC 695-2-2 are available for standard dipped capacitors. Specify IEC 695-2-2 on your order.
- ◆ Tape and reeling, specify per next page.
- ◆ “P” temperature range available for CD10, CD15, CD19, CD30, CD42, CDA15
- ◆ For MIL-C-5 capacitors, see below.

### Capacitance Tolerance

| Tol. Code | Tolerance | Capacitance Range |
|-----------|-----------|-------------------|
| C         | ±1 pF     | 1– 9 pF           |
| D         | ±1/2 pF   | 1–99 pF           |
| E         | ±1/2 %    | 100 pF and up     |
| F         | ±1 %      | 50 pF and up      |
| G         | ±2 %      | 25 pF and up      |
| H         | ±3 %      | 18 pF and up      |
| J         | ±5 %      | 10 pF and up      |

Standard tolerance is ±1/2 pF for less than 10 pF and ±5% for 10 pF and up

## MIL-C-5 Capacitors

Capacitors are available marked and manufactured to the requirements of standard MIL-C-5. To order the MIL-C-5 part number, change the Catalog Number by

replacing the CDE type with the MIL-C-5 Style Number using the table below. Example: Change CD15ED470J03 to CM05ED470J03.

| CDE Type Number | MIL-C-5 Style Number |      |
|-----------------|----------------------|------|
| CD10            | CM04                 | CM09 |
| CD15            | CM05                 | CM10 |
| CD19            | CM06                 | CM11 |
| CD30            | CM07                 | CM12 |

The following ratings have no MIL-C-5 equivalents:

Type CD10: 2, 3, 4, 50, 250 and 400 pF

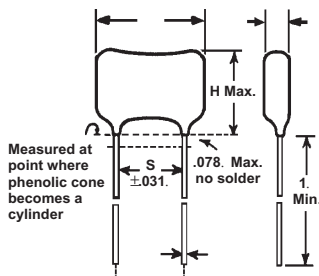
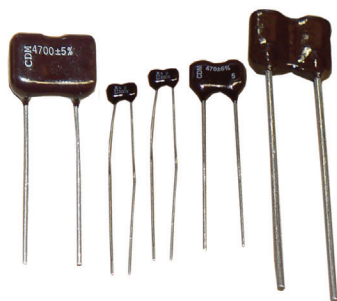
Type CD15: 2, 3, 4, 50, 250, 430 and higher pF

Type CD19: 390 and lower pF, 2,500 pF, and 5000 and higher pF

Type CD30: 5,000 and lower pF, 33,000 and higher pF

\* Order Type D7 and D10 using the Catalog Numbers shown in the ratings tables.

# Mica Capacitors **Miniature Dipped** Types CD5, CD6, CD7, CDS5, CDS10, D7, CDS15, CDS19, CDS30



Small cases for tight places is what you get with CDE miniature dipped silver mica capacitors. Like the standard dipped mica capacitor, the miniature dipped product offers the same stability and rugged performance in low and moderate-humidity applications.

## Highlights

- ◆ Reel packaging available
- ◆ Dimensions meet EIA RS153B specification
- ◆ 20,000 V/ $\mu$ s dV/dt pulse capability minimum
- ◆ Non-flammable units that meet IEC 695-2-2 are available

## Specifications

- Capacitance Range:** 1 pF to 40,000 pF  
**Voltage Range:** 50 Vdc to 500 Vdc  
**Capacitance Tolerance:**  $\pm 1/2$  pF (D),  $\pm 1$  pF (C),  $\pm 1/2\%$  (E),  $\pm 1\%$  (F),  $\pm 2\%$  (G),  $\pm 5\%$  (J)  
**Temperature Range:**  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$   
**Dielectric Strength Test:** 200% of rated voltage

## Ratings

| Cap  | Volts | Catalog        | L            | H           | T           | S           | d           |
|------|-------|----------------|--------------|-------------|-------------|-------------|-------------|
| (pF) | (Vdc) | Part Number    | inches (mm)  | inches (mm) | inches (mm) | inches (mm) | inches (mm) |
| 1    | 300   | CD5CC010DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 1    | 300   | CDS5CC010DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 1    | 500   | CD6CD010DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 1    | 500   | CDS10CD010DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 1    | 500   | CDS15CD010DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 2    | 300   | CD5CC020DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 2    | 300   | CDS5CC020DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 2    | 500   | CD6CD020DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 2    | 500   | CDS10CD020DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 2    | 500   | CDS15CD020DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 3    | 300   | CD5CC030DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 3    | 300   | CDS5CC030DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 3    | 500   | CD6CD030DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 3    | 500   | CDS10CD030DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 3    | 500   | CDS15CD030DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 4    | 300   | CD5CC040DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 4    | 300   | CDS5CC040DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 4    | 500   | CD6CD040DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 4    | 500   | CDS10CD040DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 4    | 500   | CDS15CD040DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 5    | 300   | CD5CC050DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 5    | 300   | CDS5CC050DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 5    | 500   | CD6CD050DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 5    | 500   | CDS10CD050DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 5    | 500   | CDS15CD050DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 6    | 300   | CD5CC060DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 6    | 300   | CDS5CC060DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 6    | 500   | CD6CD060DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 6    | 500   | CDS10CD060DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 6    | 500   | CDS15CD060DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 7    | 300   | CD5CC070DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |

| Cap  | Volts | Catalog        | L            | H           | T           | S           | d           |
|------|-------|----------------|--------------|-------------|-------------|-------------|-------------|
| (pF) | (Vdc) | Part Number    | inches (mm)  | inches (mm) | inches (mm) | inches (mm) | inches (mm) |
| 7    | 300   | CDS5CC070DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 7    | 500   | CD6CD070DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 7    | 500   | CDS10CD070DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 7    | 500   | CDS15CD070DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 8    | 300   | CD5CC080DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 8    | 300   | CDS5CC080DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 8    | 500   | CD6CD080DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 8    | 500   | CDS10CD080DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 8    | 500   | CDS15CD080DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 9    | 300   | CD5CC090DO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 9    | 300   | CDS5CC090DO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 9    | 500   | CD6CD090DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 9    | 500   | CDS10CD090DO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 9    | 500   | CDS15CD090DO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 10   | 300   | CD5CC100JO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 10   | 300   | CDS5CC100JO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 10   | 500   | CD6CD100DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 10   | 500   | CDS10CD100JO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 10   | 500   | CDS15CD100JO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 11   | 300   | CD5CC110JO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 11   | 300   | CDS5CC110JO3F  | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 11   | 500   | CD6CD110DO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 11   | 500   | CDS10CD110JO3F | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 11   | 500   | CDS15CD110JO3F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 12   | 300   | CD5CC120JO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4)   |
| 12   | 300   | CDS5CC120JO3   | 0.250 (6.4)  | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4)   |
| 12   | 500   | CD6CD120JO3    | 0.275 (7.0)  | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4)   |
| 12   | 500   | CDS10CD120JO3  | 0.310 (7.9)  | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4)   |
| 12   | 500   | CDS15CD120JO3  | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6)   |
| 15   | 300   | CD5CC150JO3F   | 0.270 (6.9)  | 0.190 (4.8) | 0.120 (3.0) | 0.120 (3.0) | 0.016 (4)   |
| 15   | 300   | CDS5CC150JO3F  | 0.250 (6.4)  | 0.170 (4.3) | 0.100 (2.5) | 0.120 (3.0) | 0.016 (4)   |

# Ordering Information Radial-Leaded Dipped Mica Capacitors

## Ordering Information

Order by complete part number as below. For other options, write your requirements on your purchase order or request for quotation.

**Note: RoHS compliant not available for CD6, CD7 or MIL-C5 parts.**

## Radial-Leaded Silvered Mica Capacitors (Except D7, D10\*)

|                        |                                 |   |  |   |  |                             |   |
|------------------------|---------------------------------|---|--|---|--|-----------------------------|---|
| <b>CD15</b><br>Series  | <b>C</b><br>Characteristic Code | <b>D</b><br>Voltage (Vdc)                               | <b>100</b><br>Capacitance (pF)                               | <b>J</b><br>Capacitance Tolerance                             | <b>O</b><br>Temperature Range                  | <b>3</b><br>Vibration Grade | <b>F</b><br>Blank = Not Specified<br>F = RoHS Compliant |
|                        |                                 | Y = 50 Vdc<br>A = 100 Vdc<br>C = 300 Vdc<br>D = 500 Vdc | F = 1000 Vdc<br>H = 1500 Vdc<br>J = 2000 Vdc<br>K = 2500 Vdc | 010 = 1 pF<br>(1.5) = 1.5 pF<br>361 = 360 pF<br>122 = 1200 pF | O = -55 °C to +125 °C<br>P = -55 °C to +150 °C |                             |   |
| <b>Characteristics</b> |                                 |   |  |   |  |                             |   |
| <b>Code</b>            | <b>Temp. Coeff. ppm/ °C</b>     | <b>Capacitance Drift</b>                                | <b>Standard Cap. Range</b>                                   |   |  |                             |   |
| C                      | -200 to +200                    | ±(0.5% +0.1pF)  | 1-18 pF  |   |  |                             |   |
| E                      | -20 to +100                     | ±(0.1% +0.1 pF)   | 20-82 pF   |   |  |                             |   |
| F                      | 0 to +70                        | ±(0.05% +0.1 pF)  | 91 pF and up   |   |  |                             |   |

| Vibration Grade |                        |                          |
|-----------------|------------------------|--------------------------|
| No.             | MIL-STD-202            | Vibration Condition (Hz) |
| 1               | Method 201             | 10 to 55                 |
| 3               | Method 204 Condition D | 10 to 2,000              |

Standard vibration grade is 3, the more severe requirement

## Options Available

- ◆ Non-flammable units per IEC 695-2-2 are available for standard dipped capacitors. Specify IEC 695-2-2 on your order.
- ◆ Tape and reeling, specify per next page.
- ◆ "P" temperature range available for CD10, CD15, CD19, CD30, CD42, CDA15
- ◆ For MIL-C-5 capacitors, see below.

### Capacitance Tolerance

| Tol. Code | Tolerance | Capacitance Range |
|-----------|-----------|-------------------|
| C         | ±1 pF     | 1- 9 pF           |
| D         | ±1/2 pF   | 1-99 pF           |
| E         | ±1/2 %    | 100 pF and up     |
| F         | ±1 %      | 50 pF and up      |
| G         | ±2 %      | 25 pF and up      |
| H         | ±3 %      | 18 pF and up      |
| J         | ±5 %      | 10 pF and up      |

Standard tolerance is ±1/2 pF for less than 10 pF and ±5% for 10 pF and up

## MIL-C-5 Capacitors

Capacitors are available marked and manufactured to the requirements of standard MIL-C-5. To order the MIL-C-5 part number, change the Catalog Number by

replacing the CDE type with the MIL-C-5 Style Number using the table below. Example: Change CD15ED470J03 to CM05ED470J03.

| CDE Type Number | MIL-C-5 Style Number |      |
|-----------------|----------------------|------|
| CD10            | CM04                 | CM09 |
| CD15            | CM05                 | CM10 |
| CD19            | CM06                 | CM11 |
| CD30            | CM07                 | CM12 |

The following ratings have no MIL-C-5 equivalents:

Type CD10: 2, 3, 4, 50, 250 and 400 pF

Type CD15: 2, 3, 4, 50, 250, 430 and higher pF

Type CD19: 390 and lower pF, 2,500 pF, and 5000 and higher pF

Type CD30: 5,000 and lower pF, 33,000 and higher pF

\* Order Type D7 and D10 using the Catalog Numbers shown in the ratings tables.



# Mica Capacitors Miniature Dipped

| Cap (pF) | Volts (Vdc) | Catalog Part Number | L (inches (mm)) | H (inches (mm)) | T (inches (mm)) | S (inches (mm)) | d (inches (mm)) | Cap (pF) | Volts (Vdc) | Catalog Part Number | L (inches (mm)) | H (inches (mm)) | T (inches (mm)) | S (inches (mm)) | d (inches (mm)) |
|----------|-------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|-------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 270      | 300         | CD7FC271J03         | 0.265 (6.7)     | 0.260 (6.6)     | 0.110 (2.8)     | 0.172 (4.4)     | 0.016 (.4)      | 1000     | 100         | CD7FA102J03         | 0.320 (8.1)     | 0.300 (7.6)     | 0.155 (3.9)     | 0.172 (4.4)     | 0.016 (.4)      |
| 270      | 300         | CDS10FC271J03F      | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 1000     | 100         | D71F102J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.170 (4.3)     | 0.141 (3.6)     | 0.016 (.4)      |
| 270      | 500         | D75F271J03F         | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 1000     | 100         | CDS15FA102J03F      | 0.450 (11.4)    | 0.310 (7.9)     | 0.170 (4.3)     | 0.234 (5.9)     | 0.025 (.6)      |
| 270      | 500         | CDS15FD271J03F      | 0.440 (11.2)    | 0.290 (7.4)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 1000     | 500         | CDS19FD102J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.160 (4.1)     | 0.344 (8.7)     | 0.032 (.8)      |
| 270      | 500         | CDS19FD271J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.130 (3.3)     | 0.344 (8.7)     | 0.032 (.8)      | 1100     | 100         | CD7FA112J03         | 0.320 (8.1)     | 0.300 (7.6)     | 0.155 (3.9)     | 0.172 (4.4)     | 0.016 (.4)      |
| 300      | 50          | CD5FY301J03F        | 0.270 (6.9)     | 0.230 (5.8)     | 0.170 (4.3)     | 0.120 (3.0)     | 0.016 (.4)      | 1100     | 100         | D71F112J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.170 (4.3)     | 0.141 (3.6)     | 0.016 (.4)      |
| 300      | 50          | CDS5FY301J03F       | 0.250 (6.4)     | 0.190 (4.8)     | 0.150 (3.8)     | 0.120 (3.0)     | 0.016 (.4)      | 1100     | 100         | CDS15FA112J03F      | 0.460 (11.7)    | 0.310 (7.9)     | 0.180 (4.6)     | 0.234 (5.9)     | 0.025 (.6)      |
| 300      | 300         | CD7FC301J03         | 0.265 (6.7)     | 0.260 (6.6)     | 0.110 (2.8)     | 0.172 (4.4)     | 0.016 (.4)      | 1100     | 500         | CDS19FD112J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.160 (4.1)     | 0.344 (8.7)     | 0.032 (.8)      |
| 300      | 300         | CDS10FC301J03F      | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 1200     | 100         | CD7FA122J03         | 0.320 (8.1)     | 0.300 (7.6)     | 0.155 (3.9)     | 0.172 (4.4)     | 0.016 (.4)      |
| 300      | 500         | D75F301J03F         | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 1200     | 100         | D71F122J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.170 (4.3)     | 0.141 (3.6)     | 0.016 (.4)      |
| 300      | 500         | CDS15FD301J03F      | 0.440 (11.2)    | 0.290 (7.4)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 1200     | 100         | CDS15FA122J03F      | 0.460 (11.7)    | 0.310 (7.9)     | 0.180 (4.6)     | 0.234 (5.9)     | 0.025 (.6)      |
| 300      | 500         | CDS19FD301J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.130 (3.3)     | 0.344 (8.7)     | 0.032 (.8)      | 1200     | 500         | CDS19FD122J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.170 (4.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 330      | 50          | CD5FY331J03F        | 0.270 (6.9)     | 0.240 (6.1)     | 0.180 (4.6)     | 0.120 (3.0)     | 0.016 (.4)      | 1300     | 100         | CD7FA132J03         | 0.330 (8.4)     | 0.310 (7.9)     | 0.175 (4.4)     | 0.172 (4.4)     | 0.016 (.4)      |
| 330      | 50          | CDS5FY331J03F       | 0.250 (6.4)     | 0.190 (4.8)     | 0.160 (4.1)     | 0.120 (3.0)     | 0.016 (.4)      | 1300     | 100         | D71F132J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.170 (4.3)     | 0.141 (3.6)     | 0.016 (.4)      |
| 330      | 100         | CD7FA331J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 1300     | 500         | CDS19FD132J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.170 (4.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 330      | 100         | CDS10FA331J03F      | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 1500     | 100         | CD7FA152J03         | 0.330 (8.4)     | 0.310 (7.9)     | 0.175 (4.4)     | 0.172 (4.4)     | 0.016 (.4)      |
| 330      | 500         | D75F331J03F         | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 1500     | 100         | D71F152J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.170 (4.3)     | 0.141 (3.6)     | 0.016 (.4)      |
| 330      | 500         | CDS15FD331J03F      | 0.440 (11.2)    | 0.290 (7.4)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 1500     | 100         | CDS15FA152J03F      | 0.460 (11.7)    | 0.310 (7.9)     | 0.180 (4.6)     | 0.234 (5.9)     | 0.025 (.6)      |
| 330      | 500         | CDS19FD331J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.130 (3.3)     | 0.334 (8.7)     | 0.032 (.8)      | 1500     | 500         | CDS19FD152J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.170 (4.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 360      | 50          | CD5FY361J03F        | 0.270 (6.9)     | 0.240 (6.1)     | 0.190 (4.8)     | 0.120 (3.0)     | 0.016 (.4)      | 1600     | 500         | CDS19FD162J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.180 (4.6)     | 0.344 (8.7)     | 0.032 (.8)      |
| 360      | 50          | CDS5FY361J03F       | 0.250 (6.4)     | 0.190 (4.8)     | 0.160 (4.1)     | 0.120 (3.0)     | 0.016 (.4)      | 1800     | 500         | CDS19FD182J03F      | 0.620 (15.7)    | 0.460 (11.7)    | 0.180 (4.6)     | 0.344 (8.7)     | 0.032 (.8)      |
| 360      | 100         | CD7FA361J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 2000     | 500         | CDS19FD202J03F      | 0.630 (16.0)    | 0.460 (11.7)    | 0.190 (4.8)     | 0.344 (8.7)     | 0.032 (.8)      |
| 360      | 100         | CDS10FA361J03F      | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 2000     | 500         | CDS30FD202J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.180 (4.6)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 360      | 500         | D75F361J03F         | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 2200     | 500         | CDS19FD222J03F      | 0.630 (16.0)    | 0.460 (11.7)    | 0.190 (4.8)     | 0.344 (8.7)     | 0.032 (.8)      |
| 360      | 500         | CDS15FD361J03F      | 0.440 (11.2)    | 0.290 (7.4)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 2200     | 500         | CDS30FD222J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.180 (4.6)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 360      | 500         | CDS19FD361J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.140 (3.6)     | 0.344 (8.7)     | 0.032 (.8)      | 2400     | 500         | CDS19FD242J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 390      | 50          | CD5FY391J03F        | 0.270 (6.9)     | 0.250 (6.4)     | 0.190 (4.8)     | 0.120 (3.0)     | 0.016 (.4)      | 2400     | 500         | CDS30FD242J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.180 (4.6)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 390      | 50          | CDS5FY391J03F       | 0.250 (6.4)     | 0.190 (4.8)     | 0.170 (4.3)     | 0.120 (3.0)     | 0.016 (.4)      | 2500     | 500         | CDS19FD252J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 390      | 100         | CD7FA391J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 2500     | 500         | CDS30FD252J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.190 (4.8)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 390      | 100         | CDS10FA391J03F      | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 2700     | 500         | CDS19FD272J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 390      | 500         | D75F391J03F         | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 2700     | 500         | CDS30FD272J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.190 (4.8)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 390      | 500         | CDS15FD391J03F      | 0.440 (11.2)    | 0.290 (7.4)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 3000     | 500         | CDS19FD302J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 390      | 500         | CDS19FD391J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.140 (3.6)     | 0.344 (8.7)     | 0.032 (.8)      | 3000     | 500         | CDS30FD302J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.190 (4.8)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 400      | 50          | CD5FY401J03F        | 0.270 (6.9)     | 0.250 (6.4)     | 0.190 (4.8)     | 0.120 (3.0)     | 0.016 (.4)      | 3300     | 500         | CDS19FD332J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 400      | 50          | CDS5FY401J03F       | 0.250 (6.4)     | 0.190 (4.8)     | 0.170 (4.3)     | 0.120 (3.0)     | 0.016 (.4)      | 3300     | 500         | CDS30FD332J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.190 (4.8)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 400      | 100         | CDS10FA401J03F      | 0.340 (8.6)     | 0.270 (6.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 3600     | 500         | CDS19FD362J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 430      | 100         | CD7FA431J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 3600     | 500         | CDS30FD362J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.200 (5.1)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 430      | 500         | D75F431J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 3900     | 500         | CDS19FD392J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.210 (5.3)     | 0.344 (8.7)     | 0.032 (.8)      |
| 430      | 500         | CDS15FD431J03F      | 0.440 (11.2)    | 0.290 (7.4)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 3900     | 500         | CDS30FD392J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.200 (5.1)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 430      | 500         | CDS19FD431J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.140 (3.6)     | 0.344 (8.7)     | 0.032 (.8)      | 4300     | 500         | CDS19FD432J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.220 (5.6)     | 0.344 (8.7)     | 0.032 (.8)      |
| 470      | 100         | CD7FA471J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 4300     | 500         | CDS30FD432J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.200 (5.1)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 470      | 500         | D75F471J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 4700     | 500         | CDS19FD472J03F      | 0.630 (16.0)    | 0.470 (11.9)    | 0.230 (5.8)     | 0.344 (8.7)     | 0.032 (.8)      |
| 470      | 500         | CDS15FD471J03F      | 0.440 (11.2)    | 0.300 (7.6)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 4700     | 500         | CDS30FD472J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.210 (5.3)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 470      | 500         | CDS19FD471J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.140 (3.6)     | 0.344 (8.7)     | 0.032 (.8)      | 5000     | 500         | CDS19FD502J03F      | 0.630 (16.0)    | 0.480 (12.2)    | 0.240 (6.1)     | 0.344 (8.7)     | 0.032 (.8)      |
| 470      | 500         | CDS30FD471J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.180 (4.6)     | 0.438 (11.1)    | 0.040 (1.0)     | 5000     | 500         | CDS30FD502J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.210 (5.3)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 500      | 500         | D75F501J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 5100     | 500         | CDS19FD512J03F      | 0.630 (16.0)    | 0.480 (12.2)    | 0.240 (6.1)     | 0.344 (8.7)     | 0.032 (.8)      |
| 500      | 500         | CDS15FD501J03F      | 0.440 (11.2)    | 0.300 (7.6)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 5100     | 500         | CDS30FD512J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.210 (5.3)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 500      | 500         | CDS19FD501J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.140 (3.6)     | 0.344 (8.7)     | 0.032 (.8)      | 5600     | 300         | CDS19FC562J03F      | 0.640 (16.3)    | 0.480 (12.2)    | 0.250 (6.4)     | 0.344 (8.7)     | 0.032 (.8)      |
| 510      | 100         | CD7FA511J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 5600     | 500         | CDS30FD562J03F      | 0.720 (18.3)    | 0.790 (20.1)    | 0.220 (5.6)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 510      | 500         | D75F511J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 6200     | 300         | CDS19FC622J03F      | 0.640 (16.3)    | 0.480 (12.2)    | 0.260 (6.6)     | 0.344 (8.7)     | 0.032 (.8)      |
| 510      | 500         | CDS15FD511J03F      | 0.440 (11.2)    | 0.300 (7.6)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 6200     | 500         | CDS30FD622J03F      | 0.730 (18.5)    | 0.800 (20.3)    | 0.220 (5.6)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 510      | 500         | CDS19FD511J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.140 (3.6)     | 0.344 (8.7)     | 0.032 (.8)      | 6800     | 300         | CDS19FC682J03F      | 0.640 (16.3)    | 0.490 (12.4)    | 0.270 (6.9)     | 0.344 (8.7)     | 0.032 (.8)      |
| 560      | 100         | CD7FA561J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 6800     | 500         | CDS30FD682J03F      | 0.730 (18.5)    | 0.800 (20.3)    | 0.230 (5.8)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 560      | 300         | D73F561J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 7500     | 100         | CDS19FA752J03F      | 0.650 (16.5)    | 0.490 (12.4)    | 0.280 (7.1)     | 0.344 (8.7)     | 0.032 (.8)      |
| 560      | 300         | CDS15FC561J03F      | 0.450 (11.4)    | 0.310 (7.9)     | 0.160 (4.1)     | 0.234 (5.9)     | 0.025 (.6)      | 7500     | 500         | CDS30FD752J03F      | 0.730 (18.5)    | 0.800 (20.3)    | 0.240 (6.1)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 560      | 500         | CDS19FD561J03F      | 0.610 (15.5)    | 0.450 (11.4)    | 0.150 (3.8)     | 0.344 (8.7)     | 0.032 (.8)      | 8200     | 100         | CDS19FA822J03F      | 0.650 (16.5)    | 0.490 (12.4)    | 0.300 (7.6)     | 0.344 (8.7)     | 0.032 (.8)      |
| 620      | 100         | CD7FA621J03         | 0.275 (7.0)     | 0.260 (6.6)     | 0.125 (3.2)     | 0.172 (4.4)     | 0.016 (.4)      | 8200     | 500         | CDS30FD822J03F      | 0.730 (18.5)    | 0.800 (20.3)    | 0.250 (6.4)     | 0.438 (11.1)    | 0.040 (1.0)     |
| 620      | 300         | D73F621J03F         | 0.340 (8.6)     | 0.310 (7.9)     | 0.160 (4.1)     | 0.141 (3.6)     | 0.016 (.4)      | 9100     | 100         | CDS19FA912J03F      | 0.660 (16.8)    | 0.500 (12.7)    | 0.310 (7.9)     | 0.344 (8.7)     | 0.032 (.8)      |
| 620      | 300         | CDS15FC621J03F      | 0.450 (1        |                 |                 |                 |                 |          |             |                     |                 |                 |                 |                 |                 |

## Mica Capacitors **Miniature Dipped**

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