

# Mica Capacitors **Standard Dipped**

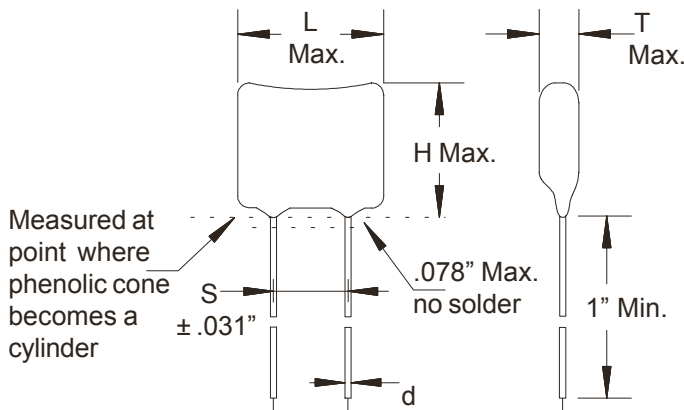
## Types CD10, D10, CD15, CD19, CD30, CD42, CDV19, CDV30



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	CD10CD010D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
1	500	CD15CD010D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
2	500	CD10CD020D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
2	500	CD15CD020D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
3	500	CD10CD030D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
3	500	CD15CD030D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
4	500	CD15CD040D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
5	500	CD10CD050D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
5	500	CD15CD050D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
5	1,000	CDV19CF050D03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
6	500	CD10CD060D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
6	500	CD15CD060D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
6	1,000	CDV19CF060D03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
7	500	CD10CD070D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
7	500	CD15CD070D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
7	1,000	CDV19CF070D03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
8	500	CD10CD080D03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
8	500	CD15CD080D03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
8	1,000	CDV19CF080D03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
10	500	CD10CD100J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
10	500	CD15CD100J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
10	1,000	CDV19CF100J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
12	500	CD10CD120J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
12	500	CD15CD120J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
12	1,000	CDV19CF120J03	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	CD10CD150J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
15	500	CD15CD150J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
15	1000	CDV19CF150J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
18	500	CD10CD180J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
18	500	CD15CD180J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
18	1000	CDV19CF180J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
20	500	CD10ED200J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
20	500	CD15ED200J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
20	1000	CDV19EF200J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
22	500	CD10ED220J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
22	500	CD15ED220J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
22	1000	CDV19EF220J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
24	500	CD10ED240J03	0.36 (9.1)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
24	500	CD15ED240J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
24	1000	CDV19EF240J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
24	1,500	CDV30EH240J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
24	2000	CDV30EJ240J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
24	2500	CDV30EK240J03	0.78 (19.8)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
27	500	CD10ED270J03	0.37 (9.4)	0.33 (8.4)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)
27	500	CD15ED270J03	0.45 (11.4)	0.36 (9.1)	0.17 (4.3)	0.234 (5.9)	0.025 (.6)
27	1000	CDV19EF270J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)
27	1,500	CDV30EH270J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
27	2000	CDV30EJ270J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
27	2500	CDV30EK270J03	0.78 (19.8)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
30	500	CD10ED300J03	0.37 (9.4)	0.34 (8.6)	0.19 (4.8)	0.141 (3.6)	0.016 (.4)



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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)
240	500	CD10FD241J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	620	300	D103F621J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
240	500	CD15FD241J03	0.46 (11.7)	0.38 (9.7)	0.20 (5.1)	0.234 (5.9)	0.025 (.6)	620	300	CD15FC621J03	0.46 (11.7)	0.38 (9.7)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)
240	500	CD19FD241J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	620	500	CD19FD621J03	0.65 (16.5)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)
240	1,000	CDV19FF241J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	620	1,500	CDV30FH621J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
240	1,500	CDV30FH241J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	620	2,000	CDV30FJ621J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
240	2,000	CDV30FJ241J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	620	2,500	CDV30FK621J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
250	500	CD10FD251J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	680	300	D103F681J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
250	500	CD15FD251J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	680	300	CD15FC681J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)
250	500	CD19FD251J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	680	500	CD19FD681J03	0.65 (16.5)	0.51 (13.0)	0.21 (5.3)	0.344 (8.7)	0.032 (.8)
270	300	CD10FC271J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	680	1,000	CDV19FF681J03	0.66 (16.8)	0.52 (13.2)	0.22 (5.6)	0.344 (8.7)	0.032 (.8)
270	500	CD19FD271J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	680	1,500	CDV30FH681J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
270	500	D105F271J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	680	2,000	CDV30FJ681J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
270	500	CD15FD271J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	680	2,500	CDV30FK681J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
270	1,000	CDV19FF271J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	750	300	D103F751J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
270	1,500	CDV30FH271J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	750	300	CD15FC751J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)
270	2,000	CDV30FJ271J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	750	500	CD19FD751J03	0.65 (16.5)	0.51 (13.0)	0.21 (5.3)	0.344 (8.7)	0.032 (.8)
300	300	CD10FC301J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	750	1,500	CDV30FH751J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
300	500	D105F301J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	750	2,000	CDV30FJ751J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
300	500	CD15FD301J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	750	2,500	CDV30FK751J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
300	500	CD19FD301J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	820	300	D103F821J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
300	2,000	CDV30FJ301J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	820	300	CD15FC821J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)
330	100	CD10FA331J03	0.39 (9.9)	0.37 (9.4)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	820	500	CD19FD821J03	0.65 (16.5)	0.51 (13.0)	0.21 (5.3)	0.344 (8.7)	0.032 (.8)
330	500	D105F331J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	820	1,000	CDV19FF821J03	0.66 (16.8)	0.53 (13.5)	0.23 (5.8)	0.344 (8.7)	0.032 (.8)
330	500	CD15FD331J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	820	1,500	CDV30FH821J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
330	500	CD19FD331J03	0.64 (16.3)	0.50 (12.7)	0.19 (4.8)	0.344 (8.7)	0.032 (.8)	820	2,000	CDV30FJ821J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
330	2,000	CDV30FJ331J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	820	2,500	CDV30FK821J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
330	2,500	CDV30FK331J03	0.78 (19.8)	0.87 (22.1)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	910	100	D101F911J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
360	100	CD10FA361J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	910	100	CD15FA911J03	0.47 (11.9)	0.40 (10.2)	0.22 (5.6)	0.234 (5.9)	0.025 (.6)
360	500	D105F361J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	910	500	CD19FD911J03	0.65 (16.5)	0.51 (13.0)	0.21 (5.3)	0.344 (8.7)	0.032 (.8)
360	500	CD15FD361J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	910	1,000	CDV19FF911J03	0.67 (17.0)	0.53 (13.5)	0.24 (6.1)	0.344 (8.7)	0.032 (.8)
360	500	CD19FD361J03	0.64 (16.3)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	910	1,500	CDV30FH911J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
390	100	CD10FA391J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	910	2,000	CDV30FJ911J03	0.78 (19.8)	0.88 (22.4)	0.28 (7.1)	0.438 (11.1)	0.040 (1.0)
390	500	D105F391J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	910	2,500	CDV30FK911J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
390	500	CD15FD391J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	1000	100	D101F102J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
390	500	CD19FD391J03	0.64 (16.3)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	1000	100	CD15FA102J03	0.48 (12.2)	0.40 (10.2)	0.23 (5.8)	0.234 (5.9)	0.025 (.6)
390	1,000	CDV19FF391J03	0.65 (16.5)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	1000	500	CD19FD102J03	0.65 (16.5)	0.52 (13.2)	0.22 (5.6)	0.344 (8.7)	0.032 (.8)
390	1,500	CDV30FH391J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	1000	1,000	CDV19FF102J03	0.67 (17.0)	0.53 (13.5)	0.25 (6.4)	0.344 (8.7)	0.032 (.8)
400	100	CD10FA401J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	1000	1,500	CDV30FH102J03	0.77 (19.6)	0.86 (21.8)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
430	500	D105F431J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	1000	2,000	CDV30FJ102J03	0.78 (19.8)	0.88 (22.4)	0.28 (7.1)	0.438 (11.1)	0.040 (1.0)
430	500	CD15FD431J03	0.47 (11.9)	0.39 (9.9)	0.21 (5.3)	0.234 (5.9)	0.025 (.6)	1000	2,500	CDV30FK102J03	0.79 (20.1)	0.88 (22.4)	0.31 (7.9)	0.438 (11.1)	0.040 (1.0)
430	500	CD19FD431J03	0.64 (16.3)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	1100	100	D101F112J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
430	1,500	CDV30FH431J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	1100	100	CD15FA112J03	0.49 (12.4)	0.42 (10.7)	0.24 (6.1)	0.234 (5.9)	0.025 (.6)
470	500	D105F471J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	1100	500	CD19FD112J03	0.65 (16.5)	0.52 (13.2)	0.22 (5.6)	0.344 (8.7)	0.032 (.8)
470	500	CD15FD471J03	0.47 (11.9)	0.40 (10.2)	0.22 (5.6)	0.234 (5.9)	0.025 (.6)	1100	1,000	CDV19FF112J03	0.67 (17.0)	0.53 (13.5)	0.25 (6.4)	0.344 (8.7)	0.032 (.8)
470	500	CD19FD471J03	0.64 (16.3)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	1100	1,500	CDV30FH112J03	0.77 (19.6)	0.86 (21.8)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
470	1,500	CDV30FH471J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	1200	100	D101F122J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
470	2,000	CDV30FJ471J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)	1200	100	CD15FA122J03	0.49 (12.4)	0.42 (10.7)	0.24 (6.1)	0.234 (5.9)	0.025 (.6)
470	2,500	CDV30FK471J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)	1200	500	CD19FD122J03	0.66 (16.8)	0.52 (13.2)	0.22 (5.6)	0.344 (8.7)	0.032 (.8)
500	500	D105F501J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	1200	1,500	CDV30FH122J03	0.77 (19.6)	0.86 (21.8)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
500	500	CD15FD501J03	0.47 (11.9)	0.40 (10.2)	0.22 (5.6)	0.234 (5.9)	0.025 (.6)	1200	2,000	CDV30FJ122J03	0.78 (19.8)	0.88 (22.4)	0.28 (7.1)	0.438 (11.1)	0.040 (1.0)
500	500	CD19FD501J03	0.64 (16.3)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	1200	2,500	CDV30FK122J03	0.79 (20.1)	0.88 (22.4)	0.31 (7.9)	0.438 (11.1)	0.040 (1.0)
500	1,500	CDV30FH501J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	1300	100	D101F132J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
500	2,000	CDV30FJ501J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)	1300	500	CD19FD132J03	0.66 (16.8)	0.52 (13.2)	0.22 (5.6)	0.344 (8.7)	0.032 (.8)
500	2,500	CDV30FK501J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)	1300	1,000	CDV19FF132J03	0.67 (17.0)	0.54 (13.7)	0.26 (6.6)	0.344 (8.7)	0.032 (.8)
510	500	D105F511J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)	1300	1,500	CDV30FH132J03	0.78 (19.8)	0.87 (22.1)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
510	500	CD15FD511J03	0.47 (11.9)	0.40 (10.2)	0.22 (5.6)	0.234 (5.9)	0.025 (.6)	1300	2,000	CDV30FJ132J03	0.78 (19.8)	0.88 (22.4)	0.30 (7.6)	0.438 (11.1)	0.040 (1.0)
510	500	CD19FD511J03	0.65 (16.5)	0.51 (13.0)	0.20 (5.1)	0.344 (8.7)	0.032 (.8)	1300	2,500	CDV30FK132J03	0.80 (20.3)	0.89 (22.6)	0.33 (8.4)	0.438 (11.1)	0.040 (1.0)
510	1,500	CDV30FH511J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)	1500	100	D101F152J03	0.39 (9.9)	0.38 (9.7)	0.22 (5.6)	0.141 (3.6)	0.016 (.4)
510	2,000	CDV30FJ511J03	0.77 (19.6)	0.87 (22.1)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)	1500	100	CD15FA152J03	0.50 (12.7)	0.43 (10.9)	0.25 (6.4)	0.234 (5.9)	0

# 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)
1600	2,000	CDV30FJ162J03	0.79 (20.1)	0.89 (22.6)	0.32 (8.1)	0.438 (11.1)	0.040 (1.0)
1600	2,500	CDV30FK162J03	0.80 (20.3)	0.89 (22.6)	0.35 (8.9)	0.438 (11.1)	0.040 (1.0)
1800	500	CD19FD182J03	0.67 (17.0)	0.53 (13.5)	0.24 (6.1)	0.344 (8.7)	0.032 (.8)
1800	1000	CDV19FF182J03	0.68 (17.3)	0.55 (14.0)	0.29 (7.4)	0.344 (8.7)	0.032 (.8)
1800	1500	CDV30FH182J03	0.78 (19.8)	0.87 (22.1)	0.29 (7.4)	0.438 (11.1)	0.040 (1.0)
1800	2000	CDV30FJ182J03	0.79 (20.1)	0.89 (22.6)	0.34 (8.6)	0.438 (11.1)	0.040 (1.0)
1800	2,500	CDV30FK182J03	0.81 (20.6)	0.90 (22.9)	0.37 (9.4)	0.438 (11.1)	0.040 (1.0)
2000	500	CD19FD202J03	0.67 (17.0)	0.53 (13.5)	0.24 (6.1)	0.344 (8.7)	0.032 (.8)
2000	500	CD30FD202J03	0.77 (19.6)	0.85 (21.6)	0.24 (6.1)	0.438 (11.1)	0.040 (1.0)
2000	1000	CDV19FF202J03	0.68 (17.3)	0.56 (14.2)	0.30 (7.6)	0.344 (8.7)	0.032 (.8)
2000	1,500	CDV30FH202J03	0.78 (19.8)	0.87 (22.1)	0.30 (7.6)	0.438 (11.1)	0.040 (1.0)
2100	2,000	CDV30FJ212J03	0.80 (20.3)	0.90 (22.9)	0.36 (9.1)	0.438 (11.1)	0.040 (1.0)
2100	2,500	CDV30FK212J03	0.82 (20.8)	0.91 (23.1)	0.39 (9.9)	0.438 (11.1)	0.040 (1.0)
2200	500	CD19FD222J03	0.67 (17.0)	0.53 (13.5)	0.25 (6.4)	0.344 (8.7)	0.032 (.8)
2200	500	CD30FD222J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
2200	1000	CDV19FF222J03	0.69 (17.5)	0.56 (14.2)	0.31 (7.9)	0.344 (8.7)	0.032 (.8)
2200	1,500	CDV30FH222J03	0.79 (20.1)	0.88 (22.4)	0.31 (7.9)	0.438 (11.1)	0.040 (1.0)
2400	500	CD19FD242J03	0.67 (17.0)	0.54 (13.7)	0.26 (6.6)	0.344 (8.7)	0.032 (.8)
2400	500	CD30FD242J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
2400	1000	CDV19FF242J03	0.69 (17.5)	0.57 (14.5)	0.32 (8.1)	0.344 (8.7)	0.032 (.8)
2400	1,500	CDV30FH242J03	0.79 (20.1)	0.88 (22.4)	0.32 (8.1)	0.438 (11.1)	0.040 (1.0)
2400	2,000	CDV30FJ242J03	0.80 (20.3)	0.90 (22.9)	0.38 (9.7)	0.438 (11.1)	0.040 (1.0)
2400	2,500	CDV30FK242J03	0.82 (20.8)	0.91 (23.1)	0.42 (10.7)	0.438 (11.1)	0.040 (1.0)
2500	500	CD19FD252J03	0.68 (17.3)	0.54 (13.7)	0.26 (6.6)	0.344 (8.7)	0.032 (.8)
2500	500	CD30FD252J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
2500	1500	CDV30FH252J03	0.79 (20.1)	0.88 (22.4)	0.32 (8.1)	0.438 (11.1)	0.040 (1.0)
2500	2,000	CDV30FJ252J03	0.80 (20.3)	0.90 (22.9)	0.38 (9.7)	0.438 (11.1)	0.040 (1.0)
2500	2,500	CDV30FK252J03	0.82 (20.8)	0.91 (23.1)	0.42 (10.7)	0.438 (11.1)	0.040 (1.0)
2700	500	CD19FD272J03	0.68 (17.3)	0.54 (13.7)	0.27 (6.9)	0.344 (8.7)	0.032 (.8)
2700	500	CD30FD272J03	0.77 (19.6)	0.85 (21.6)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
2700	1,000	CDV19FF272J03	0.70 (17.8)	0.57 (14.5)	0.34 (8.6)	0.344 (8.7)	0.032 (.8)
2700	1,500	CDV30FH272J03	0.79 (20.1)	0.88 (22.4)	0.33 (8.4)	0.438 (11.1)	0.040 (1.0)
2700	2,000	CDV30FJ272J03	0.81 (20.6)	0.91 (23.1)	0.40 (10.2)	0.438 (11.1)	0.040 (1.0)
2700	2,500	CDV30FK272J03	0.83 (21.1)	0.92 (23.4)	0.45 (11.4)	0.438 (11.1)	0.040 (1.0)
3000	500	CD19FD302J03	0.68 (17.3)	0.55 (14.0)	0.28 (7.1)	0.344 (8.7)	0.032 (.8)
3000	500	CD30FD302J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
3000	1,000	CDV19FF302J03	0.71 (18.0)	0.58 (14.7)	0.36 (9.1)	0.344 (8.7)	0.032 (.8)
3000	1,500	CDV30FH302J03	0.80 (20.3)	0.89 (22.6)	0.34 (8.6)	0.438 (11.1)	0.040 (1.0)
3000	2,000	CDV30FJ302J03	0.81 (20.6)	0.91 (23.1)	0.42 (10.7)	0.438 (11.1)	0.040 (1.0)
3000	2,500	CDV30FK302J03	0.84 (21.3)	0.93 (23.6)	0.48 (12.2)	0.438 (11.1)	0.040 (1.0)
3300	500	CD19FD332J03	0.68 (17.3)	0.55 (14.0)	0.29 (7.4)	0.344 (8.7)	0.032 (.8)
3300	500	CD30FD332J03	0.77 (19.6)	0.86 (21.8)	0.25 (6.4)	0.438 (11.1)	0.040 (1.0)
3300	1,000	CDV19FF332J03	0.72 (18.3)	0.59 (15.0)	0.38 (9.7)	0.344 (8.7)	0.032 (.8)
3300	1,500	CDV30FH332J03	0.80 (20.3)	0.89 (22.6)	0.35 (8.9)	0.438 (11.1)	0.040 (1.0)
3300	2000	CDV30FJ332J03	0.82 (20.8)	0.92 (23.4)	0.44 (11.2)	0.438 (11.1)	0.040 (1.0)
3600	500	CD19FD362J03	0.68 (17.3)	0.56 (14.2)	0.30 (7.6)	0.344 (8.7)	0.032 (.8)
3600	500	CD30FD362J03	0.77 (19.6)	0.86 (21.8)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
3600	1,000	CDV19FF362J03	0.73 (18.5)	0.60 (15.2)	0.40 (10.2)	0.344 (8.7)	0.032 (.8)
3600	1,500	CDV30FH362J03	0.80 (20.3)	0.89 (22.6)	0.35 (8.9)	0.438 (11.1)	0.040 (1.0)
3600	2000	CDV30FJ362J03	0.82 (20.8)	0.92 (23.4)	0.44 (11.2)	0.438 (11.1)	0.040 (1.0)
3900	500	CD19FD392J03	0.69 (17.5)	0.56 (14.2)	0.31 (7.9)	0.344 (8.7)	0.032 (.8)
3900	500	CD30FD392J03	0.77 (19.6)	0.86 (21.8)	0.26 (6.6)	0.438 (11.1)	0.040 (1.0)
3900	1,000	CDV19FF392J03	0.74 (18.8)	0.61 (15.5)	0.42 (10.7)	0.344 (8.7)	0.032 (.8)
3900	1,500	CDV30FH392J03	0.80 (20.3)	0.89 (22.6)	0.36 (9.1)	0.438 (11.1)	0.040 (1.0)
3900	2000	CDV30FJ392J03	0.83 (21.1)	0.93 (23.6)	0.46 (11.7)	0.438 (11.1)	0.040 (1.0)
4300	500	CD19FD432J03	0.69 (17.5)	0.57 (14.5)	0.33 (8.4)	0.344 (8.7)	0.032 (.8)
4300	500	CD30FD432J03	0.78 (19.8)	0.86 (21.8)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
4300	1,000	CDV19FF432J03	0.75 (19.1)	0.62 (15.7)	0.44 (11.2)	0.344 (8.7)	0.032 (.8)
4300	1,500	CDV30FH432J03	0.81 (20.6)	0.90 (22.9)	0.37 (9.4)	0.438 (11.1)	0.040 (1.0)
4300	2000	CDV30FJ432J03	0.84 (21.3)	0.93 (23.6)	0.48 (12.2)	0.438 (11.1)	0.040 (1.0)
4700	500	CD19FD472J03	0.70 (17.8)	0.58 (14.7)	0.35 (8.9)	0.344 (8.7)	0.032 (.8)
4700	500	CD30FD472J03	0.78 (19.8)	0.86 (21.8)	0.27 (6.9)	0.438 (11.1)	0.040 (1.0)
4700	1,000	CDV19FF472J03	0.76 (19.3)	0.63 (16.0)	0.46 (11.7)	0.344 (8.7)	0.032 (.8)
4700	1,500	CDV30FH472J03	0.81 (20.6)	0.90 (22.9)	0.38 (9.7)	0.438 (11.1)	0.040 (1.0)
5000	500	CD19FD502J03	0.71 (18.0)	0.59 (15.0)	0.37 (9.4)	0.344 (8.7)	0.032 (.8)
5000	500	CD30FD502J03	0.78 (19.8)	0.86 (21.8)	0.28 (7.1)	0.438 (11.1)	0.040 (1.0)
5000	1,500	CDV30FH502J03	0.81 (20.6)	0.90 (22.9)	0.38 (9.7)	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)
5100	500	CD19FD512J03	0.71 (18.0)	0.59 (15.0)	0.37 (9.4)	0.344 (8.7)	0.032 (.8)
5100	500	CD30FD512J03	0.78 (19.8)	0.86 (21.8)	0.28 (7.1)	0.438 (11.1)	0.040 (1.0)
5100	1,000	CDV30FF512J03	0.79 (20.1)	0.88 (22.4)	0.33 (8.4)	0.438 (11.1)	0.040 (1.0)
5100	1,500	CDV30FH512J03	0.81 (20.6)	0.90 (22.9)	0.39 (9.9)	0.438 (11.1)	0.040 (1.0)
5600	300	CD19FC562J03	0.68 (17.3)	0.56 (14.2)	0.31 (7.9)	0.344 (8.7)	0.032 (.8)
5600	500	CD30FD562J03	0.78 (19.8)	0.87 (22.1)	0.29 (7.4)	0.438 (11.1)	0.040 (1.0)
5600	1,000	CDV30FF562J03	0.80 (20.3)	0.89 (22.6)	0.34 (8.6)	0.438 (11.1)	0.040 (1.0)
5600	1,500	CDV30FH562J03	0.82 (20.8)	0.91 (23.1)	0.40 (10.2)	0.438 (11.1)	0.040 (1.0)
6200	300	CD19FC622J03	0.69 (17.5)	0.56 (14.2)	0.32 (8.1)	0.344 (8.7)	0.032 (.8)
6800	300	CD19FC682J03	0.69 (17.5)	0.57 (14.5)	0.33 (8.4)	0.344 (8.7)	0.032 (.8)
6200	500	CD30FD622J03	0.78 (19.8)	0.87 (22.1)	0.29 (7.4)	0.438 (11.1)	0.040 (1.0)
6200	1,000	CDV30FF622J03	0.80 (20.3)	0.89 (22.6)	0.35 (8.9)	0.438 (11.1)	0.040 (1.0)
6200	1,500	CDV30FH622J03	0.82 (20.8)	0.91 (23.1)	0.41 (10.4)	0.438 (11.1)	0.040 (1.0)
6800	500	CD30FD682J03	0.78 (19.8)	0.88 (22.4)	0.30 (7.6)	0.438 (11.1)	0.040 (1.0)
6800	1,000	CDV30FF682J03	0.80 (20.3)	0.89 (22.6)	0.36 (9.1)	0.438 (11.1)	0.040 (1.0)
6800	1,500	CDV30FH682J03	0.83 (21.1)	0.92 (23.4)	0.42 (10.7)	0.438 (11.1)	0.040 (1.0)
7500	100	CD19FA752J03	0.70 (17.8)	0.57 (14.5)	0.34 (8.6)	0.344 (8.7)	0.032 (.8)
7500	500	CD30FD752J03	0.79 (20.1)	0.88 (22.4)	0.31 (7.9)	0.438 (11.1)	0.040 (1.0)
7500	1,000	CDV30FF752J03	0.81 (20.6)	0.89 (22.6)	0.37 (9.4)	0.438 (11.1)	0.040 (1.0)
7500	1,500	CDV30FH752J03	0.83 (21.1)	0.92 (23.4)	0.42 (10.7)	0.438 (11.1)	0.040 (1.0)
8200	100	CD19FA822J03	0.70 (17.8)	0.58 (14.7)	0.35 (8.9)	0.344 (8.7)	0.032 (.8)
8200	500	CD30FD822J03	0.79 (20.1)	0.88 (22.4)	0.32 (8.1)	0.438 (11.1)	0.040 (1.0)
8200	1,000	CDV30FF822J03	0.81 (20.6)	0.90 (22.9)	0.39 (9.9)	0.438 (11.1)	0.040 (1.0)
8200	1,500	CDV30FH822J03	0.84 (21.3)	0.93 (23.6)	0.46 (11.7)	0.438 (11.1)	0.040 (1.0)
9100	100	CD19FA912J03	0.71 (18.0)	0.59 (15.0)	0.36 (9.1)	0.344 (8.7)	0.032 (.8)
9100	500	CD30FD912J03	0.79 (20.1)	0.88 (22.4)	0.33 (8.4)	0.438 (11.1)	0.040 (1.0)
9100	1,000	CDV30FF912J03	0.82 (20.8)	0.90 (22.9)	0.41 (10.4)	0.438 (11.1)	0.040 (1.0)
10000	100	CD19FA103J03	0.72 (18.3)	0.60 (15.2)	0.37 (9.4)	0.344 (8.7)	0.032 (.8)
10000	500	CD30FD103J03	0.80 (20.3)	0.89 (22.6)	0.34 (8.6)	0.438 (11.1)	0.040 (1.0)
10000	1000	CDV30FF103J03	0.82 (20.8)	0.91 (23.1)	0.42 (10.7)	0.438 (11.1)	0.040 (1.0)
11000	500	CD30FD113J03	0.80 (20.3)	0.89 (22.6)	0.35 (8.9)	0.438 (11.1)	0.040 (1.0)
11000	1,000	CDV30FF113J03	0.83 (21.1)	0.91 (23.1)	0.44 (11.2)	0.438 (11.1)	0.040 (1.0)
12000	500	CD30FD123J03	0.80 (20.3)	0.89 (22.6)	0.36 (9.1)	0.438 (11.1)	0.040 (1.0)
12000	1000	CDV30FF123J03	0.83 (21.1)	0.92 (23.4)	0.46 (11.7)	0.438 (11.1)	0.040 (1.0)
13000	500	CD30FD133J03	0.81 (20.6)	0.89 (22.6)	0.37 (9.4)	0.438 (11.1)	0.040 (1.0)
13000	1000	CDV30FF133J03	0.84 (21.3)	0.93 (23.6)	0.48 (12.2)	0.438 (11.1)	0.040 (1.0)
15000	500	CD30FD153J03	0.81 (20.6)	0.90 (22.9)	0.39 (9.9)	0.438 (11.1)	0.040 (1.0)
16000	500	CD30FD163J03	0.82 (20.8)	0.90 (22.9)	0.41 (10.4)	0.438 (11.1)	0.040 (1.0)
18000	500	CD30FD183J03	0.82 (20.8)	0.91 (23.1)	0.43 (10.9)	0.438 (11.1)	0.040 (1.0)
20000	500	CD30FD203J03	0.83 (21.1)	0.92 (23.4)	0.45 (11.4)	0.438 (11.1)	0.040 (1.0)
20000	500	CD42FD203J03	1.42 (36.1)	0.87 (22.1)	0.30 (7.6)	1.063 (27.0)	0.040 (1.0)
22000	500	CD30FD223J03	0.83 (21.1)	0.93 (23.6)	0.46 (11.7)	0.438 (11.1)	0.040 (1.0)
22000	500	CD42FD223J03	1.42 (36.1)	0.88 (22.4)	0.31 (7.9)	1.063 (27.0)	0.040 (1.0)
24000	300	CD30FC243J03	0.82 (20.8)	0.90 (22.9)	0.41 (10.4)	0.438 (11.1)	0.040 (1.0)
24000	500	CD42FD243J03	1.43 (36.3)	0.88 (22.4)	0.3		

# Ordering Information 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.

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

<b>CD15</b> Series	<b>C</b> Characteristic Code	<b>D</b> Voltage (Vdc)	<b>100</b> Capacitance (pF)	<b>J</b> Capacitance Tolerance	<b>O</b> Temperature Range	<b>3</b> Vibration Grade
	Y = 50 Vdc A = 100 Vdc C = 300 Vdc D = 500 Vdc	F = 1000 Vdc H = 1500 Vdc J = 2000 Vdc K = 2500 Vdc	010 = 1 pF 1.5 = 1.5 pF 361 = 360 pF 122 = 1200 pF		O = -55 °C to +125 °C P = -55 °C to +150 °C	

Characteristics			
Code	Temp. Coeff. ppm/ °C	Capacitance Drift	Standard Cap. Range
C	-200 to +200	±(0.5% +0.1 pF)	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 equipment

## 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, CD30m 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	1-100 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 ±½ 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
CD15	CM05
CD19	CM06
CD30	CM07

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.