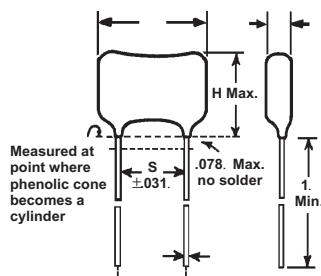
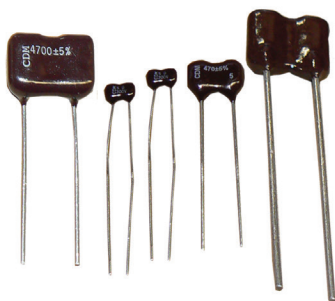


Mica Capacitors **Miniature Dipped** Types CD5, CD6, CD7, CDS5, CDS10, D7, CDS15, CDS19, CDS30



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/ μ s dV/dt pulse capability minimum
- ◆ Non-flammable units that meet IEC 695-2-2 are available

RoHS Compliant

Specifications

Capacitance Range: 1 pF to 40,000 pF

Voltage Range: 50 Vdc to 500 Vdc

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

Temperature Range: -55°C to $+125^\circ\text{C}$

Dielectric Strength Test: 200% of rated voltage

Ratings

Cap (pF)	Volts (Vdc)	Catalog Part Number	L (inches (mm))	H (inches (mm))	T (inches (mm))	S (inches (mm))	d (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 (pF)	Volts (Vdc)	Catalog Part Number	L (inches (mm))	H (inches (mm))	T (inches (mm))	S (inches (mm))	d (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)

Mica Capacitors **Miniature Dipped**

Cap							Cap								
Cap	Volts	Catalog	L	H	T	S	d	Cap	Volts	Catalog	L	H	T	S	d
(pF)	(Vdc)	Part Number	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)	(pF)	(Vdc)	Part Number	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)
15	500	CD6CD150J03	0.275 (7.0)	0.175 (4.4)	0.095 (2.4)	0.172 (4.4)	0.016 (4)	68	300	CD5EC680J03F	0.270 (6.9)	0.220 (5.6)	0.150 (3.8)	0.120 (3.0)	0.016 (4)
15	500	CDS10CD150J03F	0.310 (7.9)	0.260 (6.6)	0.120 (3.0)	0.141 (3.6)	0.016 (4)	68	300	CDSSE680J03F	0.250 (6.4)	0.180 (4.6)	0.130 (3.3)	0.120 (3.0)	0.016 (4)
15	500	CDS15CD150J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)	68	500	CD6ED680J03	0.275 (7.0)	0.175 (4.4)	0.095 (2.4)	0.172 (4.4)	0.016 (4)
18	300	CD5CC180J03F	0.270 (6.9)	0.200 (5.1)	0.120 (3.0)	0.120 (3.0)	0.016 (4)	68	500	CDS10ED680J03F	0.310 (7.9)	0.260 (6.6)	0.130 (3.3)	0.141 (3.6)	0.016 (4)
18	300	CDS5CC180J03F	0.250 (6.4)	0.170 (4.3)	0.100 (2.5)	0.120 (3.0)	0.016 (4)	68	500	CDS15ED680J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)
18	500	CD6CD180J03	0.275 (7.0)	0.175 (4.4)	0.095 (2.4)	0.172 (4.4)	0.016 (4)	75	300	CD5EC750J03F	0.270 (6.9)	0.230 (5.8)	0.160 (4.1)	0.120 (3.0)	0.016 (4)
18	500	CDS10CD180J03F	0.310 (7.9)	0.260 (6.6)	0.120 (3.0)	0.141 (3.6)	0.016 (4)	75	300	CDSSEC750J03F	0.250 (6.4)	0.190 (4.8)	0.140 (3.6)	0.120 (3.0)	0.016 (4)
18	500	CDS15CD180J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)	75	500	CD6ED750J03	0.275 (7.0)	0.175 (4.4)	0.095 (2.4)	0.172 (4.4)	0.016 (4)
20	300	CD5EC200J03F	0.270 (6.9)	0.200 (5.1)	0.120 (3.0)	0.120 (3.0)	0.016 (4)	75	500	CDS10ED750J03F	0.310 (7.9)	0.260 (6.6)	0.130 (3.3)	0.141 (3.6)	0.016 (4)
20	300	CDS5EC200J03F	0.250 (6.4)	0.170 (4.3)	0.100 (2.5)	0.120 (3.0)	0.016 (4)	75	500	CDS15ED750J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)
20	500	CD6ED200J03	0.275 (7.0)	0.175 (4.4)	0.095 (2.4)	0.172 (4.4)	0.016 (4)	82	300	CD5EC820J03F	0.270 (6.9)	0.230 (5.8)	0.160 (4.1)	0.120 (3.0)	0.016 (4)
20	500	CDS10ED200J03F	0.310 (7.9)	0.260 (6.6)	0.120 (3.0)	0.141 (3.6)	0.016 (4)	82	300	CD6EC820J03	0.250 (6.4)	0.190 (4.8)	0.095 (2.4)	0.172 (4.4)	0.016 (4)
20	500	CDS15ED200J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)	82	300	CDSSEC820J03F	0.275 (7.0)	0.175 (4.4)	0.140 (3.6)	0.120 (3.0)	0.016 (4)
22	300	CD5EC220J03F	0.270 (6.9)	0.200 (5.1)	0.120 (3.0)	0.120 (3.0)	0.016 (4)	82	500	CDS10ED820J03F	0.310 (7.9)	0.260 (6.6)	0.130 (3.3)	0.141 (3.6)	0.016 (4)
22	300	CDS5EC220J03F	0.250 (6.4)	0.170 (4.3)	0.100 (2.5)	0.120 (3.0)	0.016 (4)	82	500	CDS15ED820J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)
22	500	CD6ED220J03	0.275 (7.0)	0.175 (4.4)	0.095 (2.4)	0.172 (4.4)	0.016 (4)	91	300	CD5FC910J03F	0.270 (6.9)	0.230 (5.8)	0.170 (4.3)	0.120 (3.0)	0.016 (4)
22	500	CDS10ED220J03F	0.310 (7.9)	0.260 (6.6)	0.120 (3.0)	0.141 (3.6)	0.016 (4)	91	300	CD6FC910J03	0.275 (7.0)	0.190 (4.8)	0.095 (2.4)	0.172 (4.4)	0.016 (4)
22	500	CDS15ED220J03F	0.430 (10.9)	0.280 (7.1)	0.140 (3.6)	0.234 (5.9)	0.025 (6)	91	300	CDS5FC910J03F	0.250 (6.4)	0.175 (4.4)	0.150 (3.8)	0.120 (3.0)	0.016 (4)
24	300	CD5EC240J03F	0.270 (6.9)	0.200 (5.1)	0.120 (3.0)	0.120 (3.0)	0.016 (4)	91	500	CDS10FD910J03F	0.310 (7.9)	0.260 (6.6)	0.130 (3.3)	0.141 (3.6)	0.016 (4)
24	300	CDS5EC240J03F													

Mica Capacitors Miniature Dipped

	Cap	Volts	Catalog	L	H	T	S	d		Cap	Volts	Catalog	L	H	T	S	d
(pF)	(Vdc)	Part Number	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)	(pF)	(Vdc)	Part Number	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)	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																

Mica Capacitors **Miniature Dipped**

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