



MICA CAPACITORS

As the inventor of the mica capacitor, we are the world's foremost authority and largest manufacturer of mica dielectric capacitors. Our RF mica capacitors feature superior high Q performance without the cracking associated with ceramic and porcelain capacitors. Cornell Dubilier mica capacitors are extensively used in military, aerospace and medical applications, offering both COTS and Military Grade capacitors with established reliability.



Standard Dipped

Type	Form Factor	Voltage (Vdc)	Capacitance Range (pF)	Lead Spacing
CD10		100, 300, 500	1 to 400	0.141" (3.6mm)
D10		100, 300, 500	251 to 1,500	0.141" (3.6mm)
CD15		100, 300, 500	1 to 1,500	0.234" (5.9mm)
CD19		100, 300, 500	15 to 10,000	0.344" (8.7mm)
CD30		100, 300, 500	2,000 to 40,000	0.438" (11.1mm)
CD42		100, 300, 500	20,000 to 91,000	1.063" (27.0mm)
CDV19		100, 300, 500	15 to 10,000	0.344" (8.7mm)
CDV30		1000, 1500, 2000, 2500	24 to 13,000	0.438" (11.1mm)

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*)

CD15 Series	C Characteristic Code	D Voltage (Vdc)	100 Capacitance (pF)	J Capacitance Tolerance	O Temperature Range	3 Vibration Grade	F Blank = Not Specified F= RoHS Compliant
		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% +0.1pF)	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.