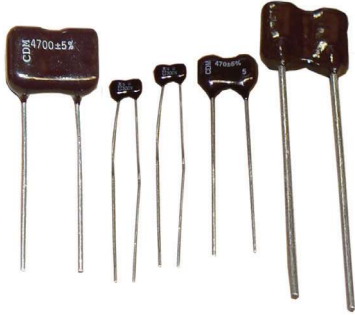


Mica Capacitors, Standard Dipped

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

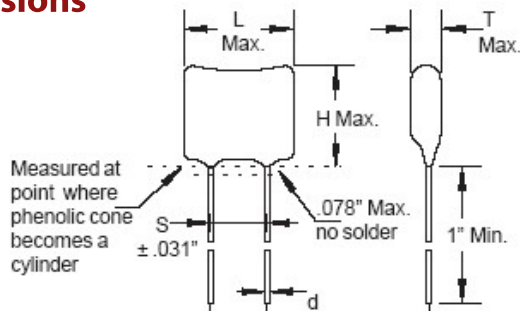
- Reel packaging available
- High temperature – up to +150 °C
- Dimensions meet EIA RS153B specification
- 100,000 V/μs dV/dt pulse capability minimum
- Non-flammable units that meet IEC 695-2-2 are available

Specifications

Capacitance Range	1 pF to 91,000 pF
Capacitance Tolerance	±1/2 pF (D), ±1 pF (C), ±1/2% (E), ±1% (F), ±2% (G), ±5% (J)
Rated Voltage	100 Vdc to 2500 Vdc
Operating Temperature Range	-55 °C to +125 °C (O) -55 °C to +150 °C (P)*
Dielectric Strength Test	200% of rated voltage
RoHS Compliant	

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

Dimensions



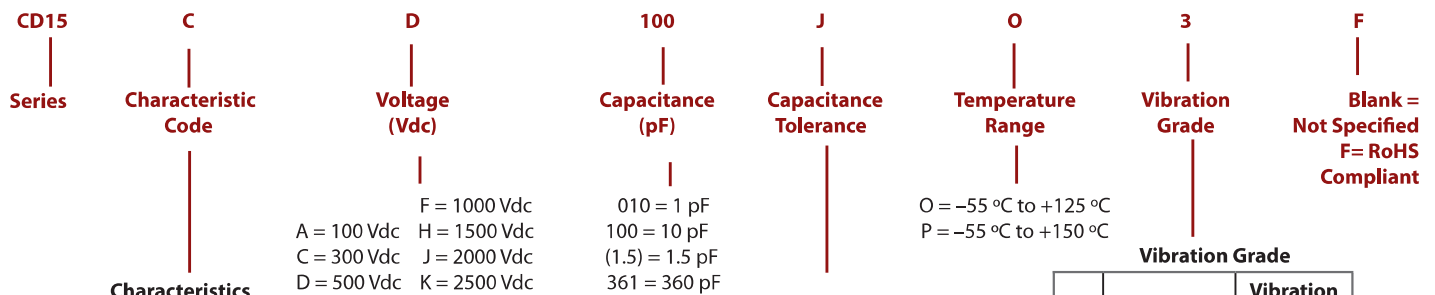
Construction Details

Case Material	Epoxy
Terminal Material	Copper clad steel, nickle undercoat, 100% tin finish

Ordering Information

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

Part Numbering System (Radial-Leaded Silvered Mica Capacitors, except D10*)



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

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

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

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 application guide.

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

* Order type D10 using the catalog numbers shown in ratings tables.