

# Ordering Information, Radial-Leaded, 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\*)

CD15	C	D	100	J	O	3
CDE Type		Voltage	Capacitance		Temperature Range	
		Y = 50 Vdc    F = 1000 Vdc A = 100 Vdc    H = 1500 Vdc C = 300 Vdc    J = 2000 Vdc D = 500 Vdc    K = 2500 Vdc	010 = 1pF 1R5 = 1.5 pF 361 = 360 pF 122 = 1200 pF		0 = -55°C to +125°C P = -55°C to +150°C	

#### Characteristic

	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

Number	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	±½ pF	1-24 pF
E	±½ %	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.

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## 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 5,000 and higher pF

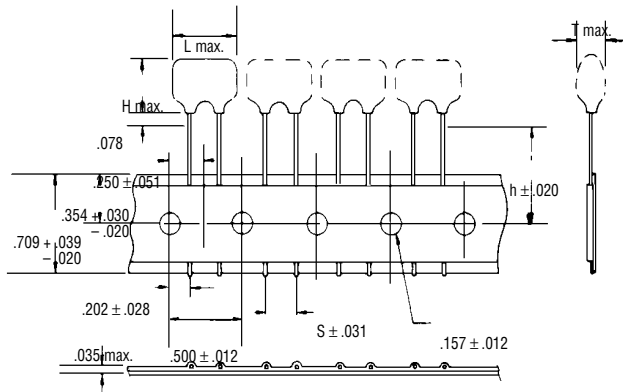
Type CD30: 5,000 and lower pF, 22,000 and higher pF

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

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### Dipped Mica Capacitors for Auto Insertion

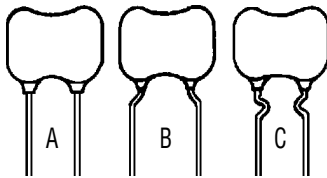


For tape and reel or ammo-packed packaging, specify on the order.

For high-volume auto insertion applications, the best-value choice is Type CDA15. Reel packing is also available for Types CD4, CD5, CD6, CD7, CD10, CD15, CD17, CD19, CM04, and CM05.

Reel Packing with .200" lead spacing is available for Types CD5, CD6, CD7, and CD10. To order .200" lead spacing, change the Catalog Number by inserting the letter "A" in the CDE Type. Example: Type CD5 capacitors, reel packed with .200" lead spacing, is designated as Type CDA5.

### Lead Configurations



See the table below for available reel-packed types, lead configurations, lead spacing, lead material, pieces per reel and pieces per ammo packs.

Packaging will be in accordance with EIA-468. Dimension h will be 16mm for formed leads or 18mm for straight leads. 20mm is available on special request. Specify reel or ammo on your purchase order.

Type Number	Lead Spacing	Lead Configuration	Lead Material	Capacitance Range	Range of Pieces per Reel	Range of Pieces per Ammo Pack
CD4	.100	A	CCS	1- 560 pF 561- 780 pF 781-1500 pF	1000-2500 1000-2000 1000-1500	1000-2000 1000-1500 1000
CD5	.120	A	CCS	1-158 pF 159-256 pF	1000-2500 1000-2000	1000-2000 1000-1500
CDA5	.200	B	CCS	257-400 pF	1000-1500	1000
CD6	.172	A	CCS	1- 120 pF	1000-2500	1000-2000
CDA6	.200	A	CCS			
CD7	.172	A	CCS	1- 560 pF 561- 780 pF 781-1500 pF	1000-2500 1000-2000 1000-1500	1000-2000 1000-1500 1000
CDA7	.200	A (up to 820 pF) C (all values)	CCS			
D10 CD10/CM04	.141	A	CCS	1- 265 pF 266- 470 pF 471-1200 pF	1000-2500 1000-2000 1000-1500	1000-2000 1000-1500 1000
CDA10	.200	C	CCS			
CD15/CM05 CD17	.234	A	CCS	1- 330 pF 331- 470 pF 471-1500 pF	1000-2500 1000-2000 1000-1500	1000-2000 1000-1500 1000
CD16 CDV16	.234	A	CCS	1- 330 pF 331- 470 pF 471-1500 pF 1501-2000 pF > 2000 pF	1000-2500 1000-2000 1000-1500 800 500	1000-2000 1000-1500 1000 600 600
CDA15 CDA17	.200	A, C	Copper	1- 330 pF 331- 470 pF 471-1500 pF	1000-2500 1000-2000 1000-1500	1000-2000 1000-1500 1000
CD19	.344	A	CCS	10-1000 pF 1001-1500 pF 1501-3000 pF 3001-5000 pF	1000 800 600 400	800 800 600 400

CCS = copper-clad steel

CDA indicates .200 lead spacing for a bulk part. If you want it configured for auto insertion, it must be so noted on the order (i.e. tape/reel or ammo pack the referenced parts)

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