

# Types CE, CM, CP Disc Ceramic Capacitors

## EIA Class 1 Temperature Compensating Capacitors



EIA Class 1 temperature compensating capacitors are ideal for timing and oscillating circuits. They are conformally coated with one inch minimum radial leads.

### Highlights

- Small size
- Conformally coated
- Radial leads
- Temperature compensating

### Specifications

<b>Capacitance Range:</b>	1 pF to 300 pF
<b>Voltage Range:</b>	50, 500, 1000 Vdc
<b>Tolerance:</b>	See ratings tables
<b>Operating Temperature Range:</b>	-55 °C to +125 °C
<b>Insulation Resistance:</b>	10,000 megohms minimum
<b>Breakdown Voltage:</b>	3 x rated (5 seconds Max.)
<b>Power Factor:</b>	5% Max. @ 1 MHz
<b>Lead Length:</b>	1.0 inch minimum

### RoHS Compliant

### Ratings

Cap (pF)	Catalog Part Number	Tol. (±)	Temp. Coef.	Size (Inches)				Size (Millimeters)			
				D	T	S	d	D	T	S	d
<b>50 Vdc</b>											
1	CEC010C *	.25 pF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4
5	CEC050C	.25 pF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4
10	CEC100J *	5%	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4
15	CEC150J *	5%	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4
22	CEC220J	5%	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4
100	CEU101J *	5%	N750	.236	.118	.197	.020	6.0	3.0	5.0	.5
220	CEC221J *	5%	NPO	.413	.118	.197	.020	10.5	3.0	5.0	.5
<b>500 Vdc</b>											
20	CMC200J *	5%	NPO	.236	.157	.252	.025	6.0	4.0	6.4	.6
<b>1000 Vdc</b>											
1.5	CPC1R5C *	.25 pF	NPO	.236	.177	.252	.025	6.0	4.5	6.4	.6
4.7	CPC4R7C *	.25 pF	NPO	.236	.177	.252	.025	6.0	4.5	6.4	.6
18	CPC180J *	5%	NPO	.236	.177	.252	.025	6.0	4.5	6.4	.6
33	CPC330J *	5%	NPO	.291	.177	.252	.025	7.4	4.5	6.4	.6
100	CPC101J *	5%	NPO	.512	.177	.252	.025	13.0	4.5	6.4	.6

\* Available only until stock is depleted