



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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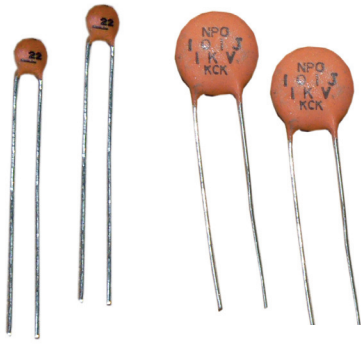
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Types CE, CM, CP Disc Ceramic Capacitors

EIA Class 1 Temperature Compensating Capacitors



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

Highlights

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



Specifications

Capacitance Range:	1 pF to 220 pF
Voltage Range:	50, 500, 1000 Vdc
Tolerance:	See ratings tables
Operating Temperature Range:	-55 °C to +125 °C
Insulation Resistance:	10,000 megohms minimum
Breakdown Voltage:	3 x rated (5 seconds Max.)
Power Factor:	5% Max. @ 1 MHz
Lead Length:	1.0 inch minimum

Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Ratings

Cap (pF)	Catalog Part Number	Tol. (±)	Temp. Coef.	Size				Size			
				D	T	S	d	D	T	S	d
				(Inches)				(Millimeters)			
50 Vdc											
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
500 Vdc											
20	CMC200J **	5%	NPO	.236	.157	.252	.025	6.0	4.0	6.4	.6
1000 Vdc											
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

**Obsolete part number

Types CE, CM, CP Disc Ceramic Capacitors

Physical Specifications

Case: Conformal Coating

Lead material: Tinned copper wire. (Minimum lead content: 5%)

Tape and Reel Available upon Request

Leads are formed to .200 (5.0mm) lead spacing

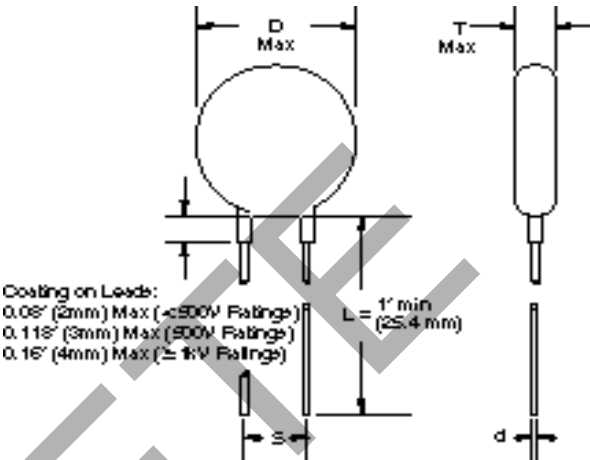
For D less than .315 (8.0mm) - Quantity/Reel = 2500 pcs

For D .315 (8.0mm) to .472 (12.0mm) - Quantity/Reel = 2000 pcs

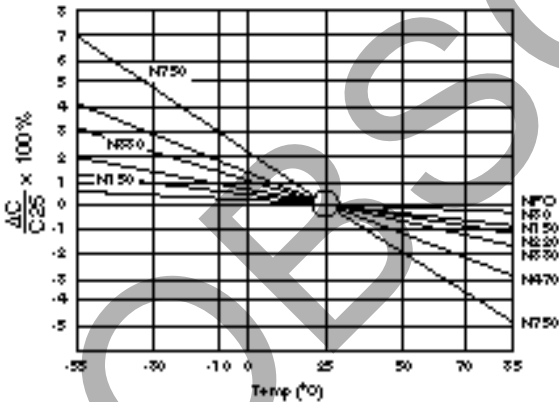
Tape and Reel not available for D greater than .472 (12mm)

TEMPERATURE COEFFICIENT CODES

Temperature Range -55°C +125°C	% Change Per 1°C
NPO-(COG)	±30ppm
	.0030%



Capacitance vs. Temperature



Capacitance vs. Frequency

