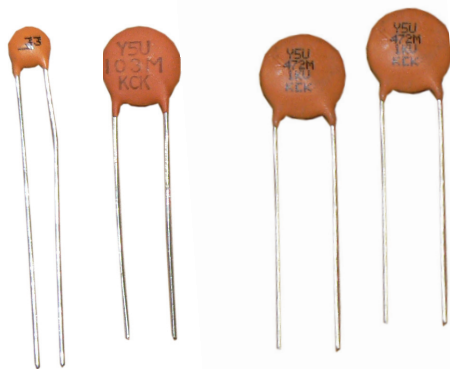


# Types GE, GH, GM, GP Disc Ceramic Capacitors

## General Purpose Capacitors



Type G general purpose disc ceramic capacitors are an ideal choice for low cost, small size and low to high DC voltage, general purpose, coupling, by-pass and filtering applications.

### Highlights

- Small size
- Conformally coated
- Radial leads
- General purpose
- Long leads



### Specifications

<b>Capacitance Range:</b>	5 pF to 22,000 pF
<b>Voltage Range:</b>	50, 100, 500, 1,000 Vdc
<b>Tolerance:</b>	See ratings tables
<b>Operating Temperature Range:</b>	-30 °C to +85 °C
<b>Insulation Resistance:</b>	10,000 MΩ minimum
<b>Dissipation Factor:</b>	2.5% max. @ 1 kHz; Y5U: 4% @ 1kHz
<b>Breakdown Voltage:</b>	2.5 x rated voltage for 5 seconds maximum
<b>Lead Length:</b>	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 (Inches)				Size (Millimeters)				Cap (pF)	Catalog Part Number	Tol. (±)	Temp. Coef.	Size (Inches)				Size (Millimeters)																							
				D	T	S	d	D	T	S	d					D	T	S	d	D	T	S	d																				
<b>50 Vdc</b>												<b>500 Vdc</b>																															
5	GE050C *	.25pF	SL	.157	.118	.098	.016	4.0	3.0	2.5	.4	15	GM150K *	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	100	GM101K	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6								
10	GE100D **	.5pF	SL	.157	.118	.098	.016	4.0	3.0	2.5	.4	330	GM331K *	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	470	GM471K *	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6								
20	GE200K **	10%	SL	.157	.118	.098	.016	4.0	3.0	2.5	.4	680	GM681K **	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	1,000	GM102K*	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6								
27	GE270K *	10%	SL	.157	.118	.098	.016	4.0	3.0	2.5	.4	1,000	GM102M *	20%	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	1,000	GM102Z **	-20+80	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6								
33	GE330K	10%	SL	.157	.118	.098	.016	4.0	3.0	2.5	.4	2,200	GM222K *	10%	Y5P	.339	.157	.250	.025	8.6	4.0	6.4	.6	3,300	GM332M **	20%	Y5U	.291	.157	.252	.025	7.4	4.0	6.4	.6								
68	GE680K *	10%	SL	.157	.118	.098	.016	4.0	3.0	2.5	.4	4,700	GM472K *	10%	Y5P	.492	.157	.252	.025	12.5	4.0	6.4	.6	4,700	GM472M *	20%	Y5U	.339	.157	.252	.025	8.6	4.0	6.4	.6								
100	GE101K	10%	Y5P	.157	.118	.098	.016	4.0	3.0	2.5	.4	10,000	GM103K	10%	Y5P	.642	.157	.374	.025	16.3	4.0	9.5	.6	10,000	GM103M *	20%	Y5U	.492	.157	.252	.025	12.5	4.0	6.4	.6								
330	GE331K *	10%	Y5P	.157	.118	.098	.016	4.0	3.0	2.5	.4	10,000	GM103Z *	-20+80	Y5U	.492	.157	.252	.025	12.5	4.0	6.4	.6																				
470	GE471K *	10%	Y5P	.157	.118	.098	.016	4.0	3.0	2.5	.4																																
1,000	GE102K	10%	Y5P	.197	.118	.098	.016	5.0	3.0	2.5	.4																																
1,000	GE102M *	20%	Y5T	.157	.118	.098	.016	4.0	3.0	2.5	.4																																
1,500	GE152K **	10%	Y5P	.197	.118	.098	.016	5.0	3.0	2.5	.4																																
10,000	GE103K *	10%	Y5P	.472	.118	.197	.020	12.0	3.0	5.0	.5																																
<b>100 Vdc</b>																																											
2,200	GH222M *	20%	Y5U	.236	.118	.252	.025	6.0	3.0	6.4	.6																																

\* Available only until stock is depleted  
 \*\* Part number obsolete