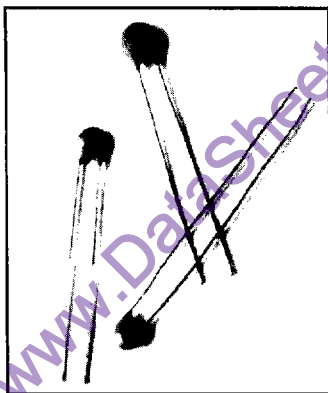


General Purpose Disc Ceramic Capacitors

MALLORY



- General Purpose
- Ideal For Use in Non-critical Coupling, Bypass and Filter Applications
- Conformally Coated
- Radial Leads

GENERAL SPECIFICATIONS

Temperature Range:
-30°C to +85°C

Voltage Range:
50, 100, 500,
1,000, 2,000, 3,000 WVDC

Capacitance Range:
1 pF to 100,000 pF

Lead Length: 1 inch minimum

Insulation Resistance:
10,000 megohms (min)

Power Factor @ 1kHz:
2.5% Max (Y5V: 5%)

Breakdown Voltage:
2.5 x rated
(5 seconds Max)

Capacity pF	Tol	Temp Coef	Size (Inches) D T S d	Size (Millimeters) D T S d	Catalog Number
50 WVDC					
1	.25pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE010C
3	.25pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE030C
5	.25pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE050C
6	.5pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE060D
7	.5pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE070D
8	.5pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE080D
10	.5pF	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE100D
12	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE120K
15	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE150K
18	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE180K
20	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE200K
22	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE220K
24	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE240K
27	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE270K
33	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE330K
39	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE390K
47	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE470K
51	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE510K
56	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE560K
68	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE680K
75	10%	SL	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE750K
82	10%	SL	.197 .118 .098 .016	5.0 3.0 2.5 .4	GE820K
91	10%	SL	.197 .118 .098 .016	5.0 3.0 2.5 .4	GE910K
100	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE101K
120	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE121K
150	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE151K
180	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE181K
220	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE221K
270	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE271K
330	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE331K
390	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE391K
470	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE471K
560	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE561K
680	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE681K
820	10%	Y5P	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE821K
1,000	10%	Y5P	.197 .118 .098 .016	5.0 3.0 2.5 .4	GE102K
1,000	20%	Y5T	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE102M
1,000	-20+80	Y5V	.157 .118 .098 .016	4.0 3.0 2.5 .4	GE102Z
1,500	10%	Y5P	.197 .118 .098 .016	5.0 3.0 2.5 .4	GE152K
1,500	20%	Y5T	.197 .118 .098 .016	5.0 3.0 2.5 .4	GE152M
1,800	10%	Y5P	.236 .118 .197 .020	6.0 3.0 5.0 .5	GE182K
2,200	10%	Y5P	.236 .118 .197 .020	6.0 3.0 5.0 .5	GE222K
2,200	20%	Y5U	.197 .118 .098 .016	5.0 3.0 2.5 .4	GE222M
2,700	10%	Y5P	.276 .118 .197 .020	7.0 3.0 5.0 .5	GE272K
3,300	10%	Y5P	.276 .118 .197 .020	7.0 3.0 5.0 .5	GE332K
3,300	20%	Y5U	.236 .118 .197 .020	6.0 3.0 5.0 .5	GE332M
3,900	10%	Y5P	.315 .118 .197 .020	8.0 3.0 5.0 .5	GE392K
4,700	10%	Y5P	.315 .118 .197 .020	8.0 3.0 5.0 .5	GE472K
4,700	20%	Y5U	.236 .118 .197 .020	6.0 3.0 5.0 .5	GE472M
4,700	-20+80	Y5U	.236 .118 .197 .020	6.0 3.0 5.0 .5	GE472Z
5,600	10%	Y5P	.354 .118 .197 .020	9.0 3.0 5.0 .5	GE562K
6,800	10%	Y5P	.374 .118 .197 .020	9.5 3.0 5.0 .5	GE682K
6,800	20%	Y5U	.276 .118 .197 .020	7.0 3.0 5.0 .5	GE682M
8,200	10%	Y5P	.394 .118 .197 .020	10.0 3.0 5.0 .5	GE822K

Capacity pF	Tol	Temp Coef	Size (Inches) D T S d	Size (Millimeters) D T S d	Catalog Number
50 WVDC					
10,000	10%	Y5P	.472 .118 .197 .020	12.0 3.0 5.0 .5	GE103K
10,000	20%	Y5U	.315 .118 .197 .020	8.0 3.0 5.0 .5	GE103M
10,000	-20+80	Y5V	.236 .118 .197 .020	6.0 3.0 5.0 .5	GE103Z
22,000	20%	Y5U	.472 .118 .197 .020	12.0 3.0 5.0 .5	GE223M
100 WVDC					
100	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH101K
120	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH121K
150	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH151K
180	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH181K
220	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH221K
270	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH271K
330	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH331K
390	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH391K
470	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH471K
560	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH561K
680	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH681K
820	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH821K
1,000	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH102K
1,200	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH122K
1,500	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH152K
1,500	20%	Y5U	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH152M
1,500	-20+80	Y5U	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH152Z
1,800	10%	Y5P	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH182K
2,200	10%	Y5P	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH222K
2,200	20%	Y5U	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH222M
2,200	-20+80	Y5U	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH222Z
2,700	10%	Y5P	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH272K
3,300	10%	Y5P	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH332K
3,300	20%	Y5U	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH332M
3,300	-20+80	Y5U	.236 .118 .252 .025	6.0 3.0 6.4 .6	GH332Z
3,900	10%	Y5P	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH392K
4,700	10%	Y5P	.374 .118 .252 .025	9.5 3.0 6.4 .6	GH472K
4,700	20%	Y5U	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH472M
4,700	-20+80	Y5U	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH472Z
5,600	10%	Y5P	.374 .118 .252 .025	9.5 3.0 6.4 .6	GH562K
6,800	10%	Y5P	.472 .118 .252 .025	12.0 3.0 6.4 .6	GH682K
6,800	20%	Y5U	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH682M
6,800	-20+80	Y5U	.315 .118 .252 .025	8.0 3.0 6.4 .6	GH682Z
10,000	10%	Y5P	.472 .118 .252 .025	12.0 3.0 6.4 .6	GH103K
10,000	20%	Y5U	.374 .118 .252 .025	9.5 3.0 6.4 .6	GH103M
10,000	-20+80	Y5U	.374 .118 .252 .025	9.5 3.0 6.4 .6	GH103Z
22,000	-20+80	Y5V	.472 .118 .252 .025	12.0 3.0 6.4 .6	GH223Z
100,000	-20+80	Z5U	.413 .150 .374 .025	10.5 3.8 9.5 .6	GH104ZX*
100,000	-20+80	Z5U	.311 .157 .374 .025	7.9 4.0 9.5 .6	GH104ZX3*

* Multilayer construction and rectangular in shape.
The diameter dimension is the largest dimension of the footprint.

General Purpose Disc Ceramic Capacitors

MALLORY

Capacity pF	Tol	Temp Coef	Size (Inches)				Size (Millimeters)				Catalog Number
			D	T	S	d	D	T	S	d	

500 WVDC

1	.25pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM010C
3	.25pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM030C
3.3	.25pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM3R3C
5	.25pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM050C
6	.5pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM060D
6.8	.5pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM6R8D
7	.5pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM070D
7.5	.5pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM7R5D
8	.5pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM080D
10	.5pF	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM100D
12	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM120K
15	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM150K
18	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM180K
20	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM200K
22	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM220K
24	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM240K
27	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM270K
33	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM330K
39	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM390K
47	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM470K
51	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM510K
56	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM560K
68	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM680K
75	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM750K
82	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM820K
91	10%	SL	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM910K
100	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM101K
120	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM121K
150	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM151K
180	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM181K
220	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM221K
270	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM271K
330	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM331K
390	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM391K
470	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM471K
560	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM561K
680	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM681K
820	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM821K
1,000	10%	Y5P	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM102K
1,000	20%	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM102M
1,000	-20+80	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM102Z
1,500	10%	Y5P	.291	.157	.252	.025	7.4	4.0	6.4	.6	GM152K
1,500	20%	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM152M
1,500	-20+80	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM152Z
1,800	10%	Y5P	.339	.157	.252	.025	8.6	4.0	6.4	.6	GM182K
2,200	10%	Y5P	.339	.157	.250	.025	8.6	4.0	6.4	.6	GM222K
2,200	20%	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM222M
2,200	-20+80	Y5U	.236	.157	.252	.025	6.0	4.0	6.4	.6	GM222Z
2,700	10%	Y5P	.374	.157	.252	.025	9.5	4.0	6.4	.6	GM272K
3,300	10%	Y5P	.433	.157	.252	.025	11.0	4.0	6.4	.6	GM332K
3,300	20%	Y5U	.291	.157	.252	.025	7.4	4.0	6.4	.6	GM332M
3,300	-20+80	Y5U	.291	.157	.252	.025	7.4	4.0	6.4	.6	GM332Z
3,900	10%	Y5P	.433	.157	.252	.025	11.0	4.0	6.4	.6	GM392K
4,700	10%	Y5P	.492	.157	.252	.025	12.5	4.0	6.4	.6	GM472K
4,700	20%	Y5U	.339	.157	.252	.025	8.6	4.0	6.4	.6	GM472M
4,700	-20+80	Y5U	.339	.157	.252	.025	8.6	4.0	6.4	.6	GM472Z
5,600	10%	Y5P	.492	.157	.252	.025	12.5	4.0	6.4	.6	GM562K
6,800	10%	Y5P	.571	.157	.374	.025	14.5	4.0	9.5	.6	GM682K
6,800	20%	Y5U	.433	.157	.252	.025	11.0	4.0	6.4	.6	GM682M
6,800	-20+80	Y5U	.433	.157	.252	.025	11.0	4.0	6.4	.6	GM682Z
8,200	10%	Y5P	.571	.157	.374	.025	14.5	4.0	9.5	.6	GM822K
10,000	10%	Y5P	.642	.157	.374	.025	16.3	4.0	9.5	.6	GM103K
10,000	20%	Y5U	.492	.157	.252	.025	12.5	4.0	6.4	.6	GM103M
10,000	-20+80	Y5U	.492	.157	.252	.025	12.5	4.0	6.4	.6	GM103Z
22,000	20%	Y5U	.642	.157	.374	.025	16.3	4.0	9.5	.6	GM223M
22,000	-20+80	Y5U	.642	.157	.374	.025	16.3	4.0	9.5	.6	GM223Z
30,000	20%	Z5U	.413	.150	.374	.025	10.5	3.8	9.5	.6	GM303MX*
30,000	20%	Z5U	.311	.157	.374	.025	7.9	4.0	9.5	.6	GM303MX3*
50,000	20%	Z5U	.413	.150	.374	.025	10.5	3.8	9.5	.6	GM503MX*
50,000	20%	Z5U	.311	.157	.374	.025	7.9	4.0	9.5	.6	GM503MX3*
100,000	20%	Z5U	.413	.150	.374	.025	10.5	3.8	9.5	.6	GM104MX*
100,000	20%	Z5U	.311	.157	.201	.025	7.9	4.0	5.1	.6	GM104MX2*

Capacity pF	Tol	Temp Coef	Size (Inches)				Size (Millimeters)				Catalog Number
			D	T	S	d	D	T	S	d	

1000 WVDC

3.3	.25PF	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP533
5	.25PF	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP550
6.8	.5PF	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP568
8	.5PF	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP580
10	.5PF	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP410
12	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP412
15	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP415
18	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP418
20	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP420
22	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP422
27	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP427
30	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP430
33	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP433
39	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP439
47	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP447
56	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP456
68	10%	SL	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP468
91	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP491
100	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP310
120	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP312
150	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP315
180	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP318
220	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP322
270	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP327
330	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP333
390	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP339
470	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP347
560	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP356
680	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP368
750	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP375
820	10%	Y5P	.236	.177	.252	.025	6.0	4.5	6.4	.6	GP382
1,000	10%	Y5P	.291	.177	.252	.025	7.4	4.5	6.4	.6	GP210
1,500	10%	Y5P	.339	.177	.252	.025	8.6	4.5	6.4	.6	GP215
1,800	10%	Y5P	.374	.177	.252	.025	9.5	4.5	6.4	.6	GP218
2,200	10%	Y5P	.433	.177	.252	.025	9.5	4.5	6.4	.6	GP222
2,700	10%	Y5P	.433	.177	.252	.025	11.0	4.5	6.4	.6	GP227
3,300	10%	Y5P	.433	.177	.252	.025	11.0	4.5	6.4	.6	GP233P
3,900	10%	Y5P	.492	.177	.252	.025	12.5	4.5	6.4	.6	GP239
4,700	20%	Y5U	.433	.177	.252	.025	11.0	4.5	6.4	.6	GP247
5,600	10%	Y5P	.591	.177	.374	.025	15.0	4.5	9.5	.6	GP256
6,800	10%	Y5P	.669	.177	.374	.025	17.0	4.5	9.5	.6	GP268P
10,000	20%	Y5U	.591	.177	.374	.025	15.0	4.5	9.5	.6	GP110
22,000	20%	Y5U	.748	.177	.374	.025	19.0	4.5	9.5	.6	GP122

Multilayer construction and rectangular in shape.
The diameter dimension is the largest dimension of the footprint.