



# Class II

## GENERAL PURPOSE CAPACITORS

The **PRO-CAP ELECTRONICS** comprehensive family of low voltage disc ceramic capacitors were developed for use in solid state low voltage circuits. These circuits require very small size units along with high capacitance values. As a result, we developed a line of tiny capacitors which optimize size, tolerance and temperature coefficients. This offers the user the least expensive capacitor consistent with circuit requirements. Standard tolerances are  $\pm 20\%$  or  $+80\%$ ,  $-20\%$  with characteristics ideally suited for bypass and coupling.

### LOW VOLTAGE CAPACITORS

Capac. (MFD)	Tol. %	Type	Max. Dia. (in.)	Thick. (in.)
<b>TYPE AA - 12V DCW Y5T</b>				
.05	$\pm 20$	AA-503M	.325	.156
.10	$\pm 20$	AA-104M	.375	.156
.20	$\pm 20$	AA-204M	.556	.156
.47	$\pm 20$	AA-474M	.680	.156
<b>TYPE BA - 16V DCW Y5T</b>				
.010	$\pm 20$	BA-103M	.260	.156
.022	$\pm 20$	BA-223M	.265	.156
.033	$\pm 20$	BA-333M	.295	.156
.047	$\pm 20$	BA-473M	.355	.156
.050	$\pm 20$	BA-503M	.355	.156
.068	$\pm 20$	BA-683M	.385	.156
.100	$\pm 20$	BA-104M	.405	.156
.150	$\pm 20$	BA-154M	.555	.156
.200	$\pm 20$	BA-204M	.670	.156
<b>TYPE CA - 25V DCW Y5T</b>				
.010	$\pm 20$	CA-103M	.260	.156
.022	$\pm 20$	CA-223M	.290	.156
.033	$\pm 20$	CA-333M	.355	.156
.050	$\pm 20$	CA-503M	.395	.156
.068	$\pm 20$	CA-683M	.475	.156
.100	$\pm 20$	CA-104M	.495	.156
<b>TYPE CF - 25V DCW Z5V</b>				
.022	+80 $\pm 20$	CF-223Z	.290	.156
.050	+80 $\pm 20$	CF-503Z	.395	.156
.068	+80 $\pm 20$	CF-683Z	.475	.156
.100	+80 $\pm 20$	CF-104Z	.595	.156
<b>TYPE DE - 50V DCW Z5U</b>				
.001	$\pm 20$	DE-102M	.260	.156
.0047	$\pm 20$	DE-472M	.290	.156
.010	$\pm 20$	DE-103M	.360	.156
.022	$\pm 20$	DE-223M	.415	.156
.033	$\pm 20$	DE-333M	.415	.156
.047	$\pm 20$	DE-473M	.415	.156
.050	$\pm 20$	DE-503M	.415	.156
.068	$\pm 20$	DE-683M	.590	.156
.100	$\pm 20$	DE-104M	.590	.156
.220	$\pm 20$	DE-224M	.590	.156

# Class II

## GENERAL PURPOSE CAPACITORS

### LOW VOLTAGE CAPACITORS (Cont)

Capac. (MFD)	Tol. %	Type	Max. Dia. (in.)	Thick. (in.)
<b>TYPE DF - 50V DCW Z5V</b>				
.001	+80 -20	DF-102Z	.260	.156
.0033	+80 -20	DF-332Z	.260	.156
.005	+80 -20	DF-502Z	.260	.156
.010	+80 -20	DF-103Z	.290	.156
.020	+80 -20	DF-203Z	.355	.156
.025	+80 -20	DF-253Z	.415	.156
.030	+80 -20	DF-303Z	.415	.156
.047	+80 -20	DF-473Z	.495	.156
.050	+80 -20	DF-503Z	.495	.156
.068	+80 -20	DF-683Z	.555	.156
.100	+80 -20	DF-104Z	.670	.156
.220	+80 -20	DF-224Z	.670	.156
<b>TYPE DL - 50V DCW Y5P</b>				
* 470 pF	± 10	DL-471K	.260	.156
.0020	± 10	DL-202K	.260	.156
.0022	± 10	DL-222K	.260	.156
.0047	± 10	DL-472K	.260	.156
<b>TYPE EE - 100V DCW Z5U</b>				
.003	± 20	EE-302M	.60	.156
.005	± 20	EE-502M	.260	.156
.0068	± 20	EE-682M	.290	.156
.010	± 20	EE-103M	.355	.156
.015	± 20	EE-153M	.355	.156
.020	± 20	EE-203M	.415	.156
.022	± 20	EE-223M	.475	.156
.025	± 20	EE-253M	.475	.156
.030	± 20	EE-303M	.475	.156
.050	± 20	EE-503M	.590	.156
.100	± 20	EE-104M	.910	.156
.100	+80 -20	EE-104Z	.910	.156
<b>TYPE EF - 100V DCW Z5V</b>				
.005	+80 -20	EF-502Z	.260	.156
.010	+80 -20	EF-103Z	.290	.156
.020	+80 -20	EF-203Z	.355	.156
.025	+80 -20	EF-253Z	.415	.156
.030	+80 -20	EF-303Z	.415	.156
.050	+80 -20	EF-503Z	.485	.156
.100	+80 -20	EF-104Z	.700	.156



# Class II

## 500/600/1000 VOLT GENERAL PURPOSE

The PRO- **CAP**ELECTRONICS family of general purpose 500/600 and 1000 volt DC disc ceramic offer the designer a wide choice of capacitance values and tight tolerances as well as small size. These high dielectric ceramic discs have a rugged durez, wax impregnated coating that offers a high degree of environmental resistance.

Capac. (MFD)	Tol. %	Type	Char.	Max. Dia. (in.)	Thick. (in.)
<b>TYPE F - 500V DCW General Purpose</b>					
3300 pF	± 10	FL-332K	Y5P	.355	.150
.01 μF	+80 -20	FF-103Z	Z5V	.390	.250
.01 μF	± 20	FE-103M	Z5U	.390	.250
.1 μF	± 20	FE-104M	Z5U	.930	.250
.1 μF	+80 -20	FE-104Z	Z5U	.930	.250
.47 μF	+80 -20	FF-474Z	Z5V	.930	.250
<b>TYPE G - 1000V DCW General Purpose</b>					
3.3 pF	± 5	GG-3R3J	S2L	.290	.156
5.0 pF	± 10	GG-5R0K	S2L	.290	.156
6.0 pF	± 10	GG-6R0K	S2L	.290	.156
6.8 pF	± 10	GG-6R8K	S2L	.290	.156
7.5 pF	± 10	GG-7R5K	S2L	.290	.156
8.0 pF	± 10	GG-8R0K	S2L	.290	.156
10 pF	± 10	GG-100K	S2L	.290	.156
12 pF	± 10	GG-120K	S2L	.290	.156
15 pF	± 10	GG-150K	S2L	.290	.156
18 pF	± 10	GG-180K	S2L	.290	.156
20 pF	± 10	GG-200K	S2L	.290	.156
22 pF	± 10	GG220K	S2L	.290	.156
24 pF	± 10	GG-240K	S2L	.290	.156
25 pF	± 10	GG-250K	S2L	.290	.156
27 pF	± 10	GG-270K	S2L	.290	.156
30 pF	± 10	GH-300K	S3N	.290	.156
33 pF	± 10	GH-330K	S3N	.290	.156
39 pF	± 10	GH-390K	S3N	.290	.156
47 pF	± 10	GH-470K	S3N	.290	.156
50 pF	± 10	GH-500K	S3N	.290	.156
51 pF	± 10	GH-510K	S3N	.290	.156
56 pF	± 10	GH-560K	S3N	.290	.156
68 pF	± 10	GH-680K	S3N	.290	.156
75 pF	± 10	GH-750K	S3N	.290	.156
82 pF	± 10	GH-820K	S3N	.290	.156



# Class II

## 500/600/1000 VOLT GENERAL PURPOSE

TYPE G - 1000V DCW General Purpose					
Capac. (pF)	Tol. %	Type	Char.	Max. Dia. (in.)	Thick. (in.)
91	± 10	GH-910K	S3N	.290	.156
100	± 10	GH-101K	S3N	.290	.156
120	± 10	GH-121K	S3N	.290	.156
130	± 10	GH-131K	S3N	.290	.156
150	± 10	GH-151K	S3N	.290	.156
180	± 10	GH-181K	S3N	.290	.156
200	± 10	GH-201K	S3N	.290	.156
200	± 10	GB-201K	Z5F	.290	.156
220	± 10	GB-221K	Z5F	.290	.156
240	± 10	GB-241K	Z5F	.290	.156
250	± 10	GB-251K	Z5F	.290	.156
270	± 10	GB-271K	Z5F	.290	.156
300	± 10	GB-301K	Z5F	.290	.156
330	± 10	GB-331K	Z5F	.290	.156
360	± 10	GB-361K	Z5F	.290	.156
390	± 10	GB-391K	Z5F	.290	.156
470	± 10	GB-471K	Z5F	.290	.156
500	± 10	GB-501K	Z5F	.290	.156
510	± 10	GB-511K	Z5F	.290	.156
560	± 10	GB-561K	Z5F	.290	.156
680	± 10	GC-681K	Z5R	.290	.156
750	± 20	GC-751M	Z5R	.290	.156
800	GMV	GE-801G	Z5U	.290	.156
800	± 10	GE-801K	Z5U	.290	.156
820	± 20	GB-821M	Z5F	.290	.156
820	± 20	GE-821M	Z5U	.290	.156
910	± 20	GB-911M	Z5F	.290	.156
910	± 10	GE-911K	Z5U	.290	.156
1000	± 10	GL-102K	Y5P	.355	.156
1000	± 20	GB-102M	Z5F	.355	.156
1000	± 10	GE-102K	Z5U	.290	.156
1200	± 10	GC-122K	Z5R	.355	.156
1300	± 10	GC-132K	Z5R	.355	.156
1500	± 10	GC-152K	Z5R	.355	.156
1500	GMV	GB-152G	Z5F	.290	.156
1600	± 20	GE-162M	Z5U	.355	.156
1800	± 20	GE-182M	Z5U	.355	.156
2000	± 20	GE-202M	Z5U	.355	.156
2000	GMV	GE-202G	Z5U	.355	.156
2200	± 10	GB-222K	Z5F	.315	.156
2200	± 10	GE-222K	Z5U	.415	.156
2200	± 20	GE-222M	Z5U	.355	.156
2200	GMV	GE-222G	Z5U	.355	.156
2500	± 20	GE-252M	Z5U	.355	.156
2500	GMV	GE-252G	Z5U	.355	.156
2700	± 20	GE-272M	Z5U	.355	.156
2700	GMV	GE-272G	Z5U	.355	.156
3000	± 10	GB-302K	Z5F	.495	.156
3000	± 20	GE-302M	Z5U	.355	.156

\* Example:  
Page 39



# Class II

## 500/600/1000 VOLT GENERAL PURPOSE

1000V DCW General Purpose continued					
Capac. (pF)	Tol. %	Type	Char.	Max. Dia. (in.)	Thick. (in.)
3000	GMV	GE-302G	Z5U	.355	.156
3300	± 20	GE-332M	Z5U	.415	.156
3300	GMV	GE-332G	Z5U	.415	.156
3900	± 20	GE-392M	Z5U	.415	.156
3900	GMV	GE-392G	Z5U	.415	.156
4000	± 20	GE-402M	Z5U	.415	.156
4000	GMV	GE-402G	Z5U	.415	.156
4300	± 20	GE-432M	Z5U	.415	.156
4300	GMV	GE-432G	Z5U	.415	.156
4700	± 20	GE-472M	Z5U	.415	.156
5000	± 10	GB-502K	Z5F	.590	.156
5000	± 20	GE-502M	Z5U	.415	.156
5600	± 20	GE-562M	Z5U	.590	.156
5600	GMV	GE-562G	Z5U	.590	.156
6800	± 10	GE-682K	Z5U	.638	.156
6800	± 10	GB-682K	Z5F	.590	.156
6800	GMV	GE-682G	Z5U	.590	.156
7500	± 20	GE-752M	Z5U	.590	.156
7500	GMV	GE-752G	Z5U	.590	.156
8200	± 20	GE-822M	Z5U	.590	.156
8200	GMV	GE-822G	Z5U	.590	.156
10000	± 20	GE-103M	Z5U	.590	.156