Class I

TEMPERATURE STABLE AND COMPENSATING DISC CERAMIC CAPACITORS

PRO-CAP ELECTRONICS temperature compensating disc ceramic capacitors provide an accurate, predictable capacitance change as temperature varies. This change is expressed in parts per million per degree C (ppm / °C), and is defined precisely in EIA specifications RS198.

NPO capacitors are typically used in RC networks, tuned circuits and other critical applications where drift free performance is required; N750 and N1500 capacitors are used to compensate for positive changes due to circuit components.

In addition to NPO, N750 and N1500 capacitors, other capacitors with different temperature coefficients can be supplied to meet your specific requirements. The capacitance values listed below are generally considered standard values. Other capacitance values can be supplied as required.

	NPO							
	50 VDCW				1000 VDCW			
	Capac. (pF)	Tol. %	Type	Max. Dia. (in.)	Capac. (pF)	Tol. * %	Type	Max. Dia. (in.)
	1.0	± .5 pF	DN-1R0D	.276	1.0	± .5 pF	GN-1R0D	.276
	1.5	± .5 pF	DN-1R5D	.276	1.5	± .5 pF	GN-1R5D	.276
	1.8	± .5 pF	DN-1R8D	.276	1.8	± .5 pF	GN-1R8D	.276
	2.2	± .5 pF	DN-2R2D	.276	2.2	± .5 pF	GN-2R2D	.276
	3.3	± .5 pF	DN-3R3D	.276	3.3	± .5 pF	GN-3R3D	.276
	4.7	± .5 pF	DN-4R7D	.276	4.7	± .5 pF	GN-4R7D	.276
	5.0	± .5 pF	DN-5R0D	.276	5.0	± .5 pF	GN-5R0D	.276
	6.0	± .5 pF	DN-6R0D	.276	6.0	± .5 pF	GN-6R0D	.276
	6.2	± .5 pF	DN-6R2D	.276	6.2	± .5 pF	GN-6R2D	.276
	6.8	± .5 pF	DN-6R8D	.276	6.8	± .5 pF	GN-6R8D	.276
	7.5	± .5 pF	DN-7R5D	.276	7.5	± .5 pF	GN-7R5D	.276
	8.0	± .5 pF	DN-8R0D	.276	8.0	± .5 pF	GN-8R0D	.276
	8.2	± .5 pF	DN-8R2D	.276	8.2	± .5 pF	GN-8R2D	.276
	8.8	± 5	DN-8R8J	.276	8.8	± 5	GN-8R8J	.276
	9.0	± 5	DN-9R0J	.276	9.0	± 5	GN-9R0J	.276
	10	± 5	DN-100J	.276	10	± 5	GN-100J	.276
*	12	± 5	DN-120J	.276	12	± 5	GN-120J	.276
	15	± 5	DN-150J	.276	15	± 5	GN-150J	.276
	18	± 5	DN-180J	.276	18	± 5	GN-180J	.276
	20	± 5	DN-200J	.295	20	± 5	GN-200J	.315
	22	± 5	DN-220J	.295	22	± 5	GN-220J	.315
	24	± 5	DN-240J	.295	24	± 5	GN-240J	.315
	27	± 5	DN-270J	.295	27	± 5	GN-270J	.315
	30	± 5	DN-300J	.355	30	± 5	GN-300J	.374
	33	± 5	DN-330J	.355	33	± 5	GN-330J	.374
	36	± 5	DN-360J	.355	36	± 5	GN-360J	.374
	39	± 5	DN-390J	.355	39	± 5	GN-390J	.374
	43	± 5	DN-430J	.374	43	± 5	GN-430J	.455
	47	± 5	DN-470J	.374	47	± 5	GN-470J	.455
	51	± 5	DN-510J	.374	51	± 5	GN-510J	.455
	56	± 5	DN-560J	.374	56	± 5	GN-560J	.455
	62	± 5	DN-620J	.455	62	± 5	GN-620J	.492
	68	± 5	DN-680J	.455	68	± 5	GN-680J	.492
	82	± 5	DN-820J	.492	82	± 5	GN-820J	.590
	100	± 5	DN-101J	.531	100	± 5	GN-101J	.590
	120	± 5	DN-121J	.590	120	± 5	GN-121J	.670
	150	± 5	DN-151J	.590	150	± 5	GN-151J	.710

*** K Tolerance (± 10%) also available. Please consult factory.**

*** Note: Thickness of all disks -- .156" maximum**

Class I

TEMPERATURE STABLE AND COMPENSATING DISC CERAMIC CAPACITORS

NPO				S2L			
100 VDCW				100 VDCW			
Capac. (pF)	Tol. %	Type	Max. Dia. (in.)	Capac. (pF)	Tol. * %	Type	Max. Dia. (in.)
1.0	± .5 pF	EN-1R0D	.276	1.0	± .5 pF	EG-1R0D	.276
1.5	± .5 pF	EN-1R5D	.276	1.5	± .5 pF	EG-1R5D	.276
1.8	± .5 pF	EN-1R8D	.276	1.8	± .5 pF	EG-1R8D	.276
2.2	± .5 pF	EN-2R2D	.276	2.2	± .5 pF	EG-2R2D	.276
3.3	± .5 pF	EN-3R3D	.276	3.3	± .5 pF	EG-3R3D	.276
4.7	± .5 pF	EN-4R7D	.276	4.7	± .5 pF	EG-4R7D	.276
5.0	± .5 pF	EN-5R0D	.276	5.0	± .5 pF	EG-5R0D	.276
6.0	± .5 pF	EN-6R0D	.276	6.0	± .5 pF	EG-6R0D	.276
6.2	± .5 pF	EN-6R2D	.276	6.2	± .5 pF	EG-6R2D	.276
6.8	± .5 pF	EN-6R8D	.276	6.8	± .5 pF	EG-6R8D	.276
7.5	± .5 pF	EN-7R5D	.276	7.5	± .5 pF	EG-7R5D	.276
8.0	± .5 pF	EN-8R0D	.276	8.0	± .5 pF	EG-8R0D	.276
8.2	± .5 pF	EN-8R2D	.276	8.2	± .5 pF	EG-8R2D	.276
8.8	± 5	EN-8R8J	.276	8.8	± 5	EG-8R8J	.276
9.0	± 5	EN-9R0J	.276	9.0	± 5	EG-9R0J	.276
10	± 5	EN-100J	.276	10	± 5	EG-100J	.276
12	± 5	EN-120J	.276	12	± 5	EG-120J	.276
15	± 5	EN-150J	.276	15	± 5	EG-150J	.276
18	± 5	EN-180J	.276	18	± 5	EG-180J	.276
20	± 5	EN-200J	.295	20	± 5	EG-200J	.295
22	± 5	EN-220J	.295	22	± 5	EG-220J	.295
24	± 5	EN-240J	.295	24	± 5	EG-240J	.295
27	± 5	EN-270J	.295	27	± 5	EG-270J	.295
30	± 5	EN-300J	.355	30	± 5	EG-300J	.355
33	± 5	EN-330J	.355	33	± 5	EG-330J	.355
36	± 5	EN-360J	.355	36	± 5	EG-360J	.355
39	± 5	EN-390J	.355	39	± 5	EG-390J	.355
43	± 5	EN-430J	.374	43	± 5	EG-430J	.374
47	± 5	EN-470J	.374	47	± 5	EG-470J	.374
51	± 5	EN-510J	.374	51	± 5	EG-510J	.374
56	± 5	EN-560J	.374	56	± 5	EG-560J	.374
62	± 5	EN-620J	.455	62	± 5	EG-620J	.455
68	± 5	EN-680J	.455	68	± 5	EG-680J	.455
82	± 5	EN-820J	.492	82	± 5	EG-820J	.492
100	± 5	EN-101J	.531	100	± 5	EG-101J	.531
120	± 5	EN-121J	.590	120	± 5	EG-121J	.590
150	± 5	EN-151J	.590	150	± 5	EG-151J	.590

N750							
50 VDCW				1000 VDCW			
Capac. (pF)	Tol. %	Type	Max. Dia. (in.)	Capac. (pF)	Tol. * %	Type	Max. Dia. (in.)
10	± 10	DT-100K	.276	10	± 10	GT-100K	.276
15	± 10	DT-150K	.276	15	± 10	GT-150K	.276
22	± 10	DT-220K	.276	22	± 10	GT-220K	.276
33	± 10	DT-330K	.276	33	± 10	GT-330K	.276
47	± 10	DT-470K	.295	47	± 10	GT-470K	.315
68	± 10	DT-680K	.295	68	± 10	GT-680K	.356
82	± 10	DT-820K	.315	82	± 10	GT-820K	.374
100	± 10	DT-101K	.354	100	± 10	GT-101K	.394
120	± 10	DT-121K	.394	120	± 10	GT-121K	.452
150	± 10	DT-151K	.415	150	± 10	GT-151K	.570
180	± 10	DT-181K	.455	180	± 10	GT-181K	.570
220	± 10	DT-221K	.473	220	± 10	GT-221K	.710
330	± 10	DT-331K	.590	330	± 10	GT-331K	.590