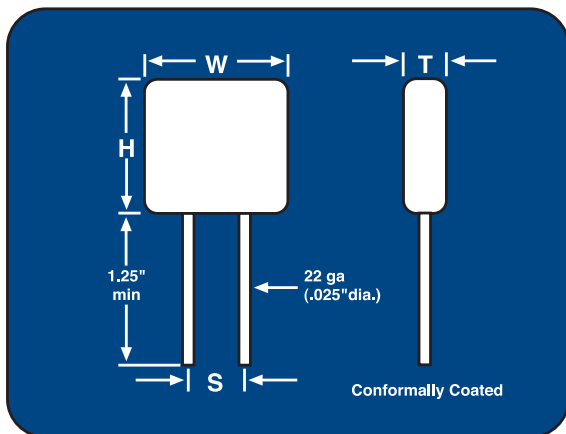


NPO High Voltage Leaded Ceramic Capacitors

500VDC - 10000VDC



General Specifications NPO



Capacitance Range	100pf-.12µF (+25° C, 1.0Vrms, 1Khz)
Capacitance Tolerance	+/- 1,2,5,10,20%, +80/-20%
Temperature Coefficient	+/- 30ppm/ C, from -55° C to 125° C
Dissipation Factor	.15% max. (+25° C, 1.0Vrms, 1Khz)
Voltage Ratings	500 to 10000 Vdc
Dielectric Withstanding Voltage	1.2x rated voltage (100mA max.)
Insulation Resistance (min.)	100K megohms or 1K megohms-mfd at 25° C, whichever is less 10000 megohms or 100 megohms-mfd at 125° C, whichever is less

Lead Material Solder coated Copper Clad Steel

Notes: 1) Conformally Coated 2) Temperature Coefficient Stable NPO3) Low D.F.
4) Designed to meet individual H.V. DSCC Drawings 87046, 87114, 87076, and 87077.

Style and Size Information (All dimensions are in inches)

STYLE	MAX WIDTH(W)	MAX HEIGHT(H)	MAX THICKNESS(T)	LEAD SPACING(S) +/- .030
2522	.250	.220	.170	.170
3228	.320	.280	.220	.220
3730	.370	.300	.250	.275
4740	.470	.400	.270	.375
5750	.570	.500	.270	.475
6760	.670	.600	.270	.575
7772	.770	.720	.270	.675
12560	1.250	.600	.270	1.100
14572	1.450	.720	.270	1.300

NPO MAXIMUM CAPACITANCE

STYLE	MIN	500V MAX	1000V MAX	2000V MAX	3000V MAX	4000V MAX	5000V MAX	10000V MAX
2522	100 pf	3300 pf	1800 pf	270 pf				
3228	100 pf	.01 µF	3900 pf	1000 pf	560 pf			
3730	100 pf	.012 µF	4700 pf	1200 pf	680 pf			
4740	100 pf	.033 µF	.018 µF	3300 pf	2200 pf	680 pf		
5750	100 pf	.056 µF	.027 µF	5600 pf	3900 pf	1500 pf	1000 pf	
6760	560 pf	.1 µF	.047 µF	.012 µF	6800 pf	2700 pf	2200 pf	
7772	1000 pf	.12 µF	.068 µF	.018 µF	.01 µF	3900 pf	2700 pf	
12560	1000 pf			.022 µF	.015 µF	4700 pf	3900 pf	1000 pf
14572	1500 pf			.033 µF	.022 µF	.01 µF	6800 pf	1500 pf

(Custom sizes and values available, contact factory)

How To Order

102

Voltag
501 = 500
102 = 1000
202 = 2000
302 = 3000
402 = 4000
502 = 5000
103 = 10000

L

Configuration
L = Leaded

4740

Style

A

Dielectric Type
A = NPO

103

Capacitance Value
Capacitance In PicoFarads
Last Digit is the Number of Zeros
ie, 103 = 10,000 pf

K

Tolerance
F = ± 1%
G = ± 2%
J = ± 5%
K = ± 10%
M = ± 20%
Z = + 80/- 20%
P = GMV

A

Group A Screening
Add to part number if required,
Mil-prf-49467 (subgroup 1, except corona)

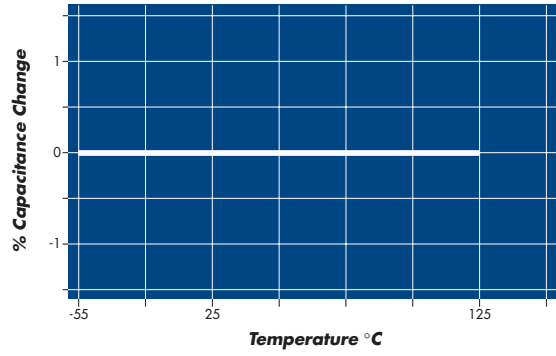
CIRCUIT FUNCTIONS, Inc.

2282 Mouton Drive • Carson City, Nevada 89706 • (775) 885-8003 • Fax (775) 885-9943

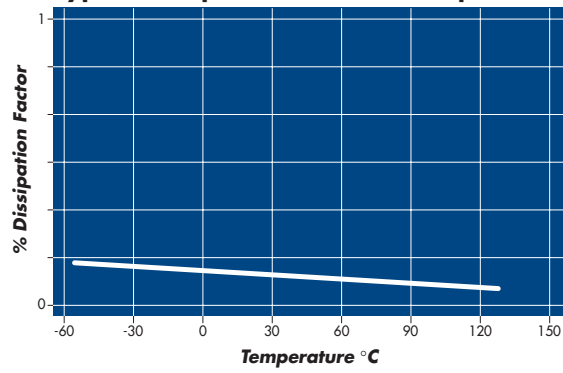
www.circuitfunctions.com

Data Sheet Rev A

Temperature Coefficient of Capacitance



Typical Dissipation Factor vs. Temperature



Minimum Insulation Resistance vs. Temperature and Capacitance

