

C22

0.220" x 0.245" High Q, High Power Multilayer Capacitor



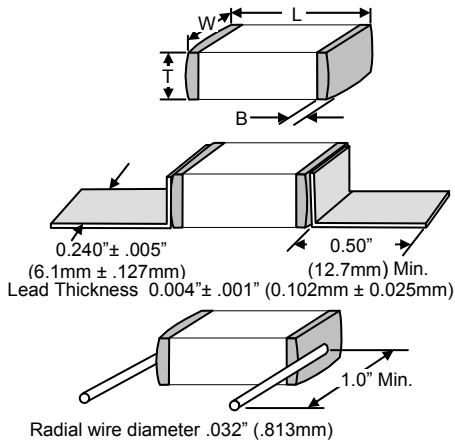
FUNCTIONAL APPLICATIONS:

Impedance Matching, D.C. Blocking, Bypass, Coupling, Tuning and Feedback.

BENEFITS:

Power handling, High voltage, High Q, And Low ESR.

Mechanical Specification



Product Code	Body Dimensions			Termination Code, Band Dimension and Material		
	Length (L)	Width (W)	Thickness (T)	Code	Band (B)	Material
C22CF	.220" + .020" - .010" (5.59 + .508 - .254)	.245" + .020" - .010" (6.22 + .508 - .254)	.130" (3.30) Max.	Z	.030" ± .010" (.762 ± .254)	Ni Barrier, Lead Free Tin Plate
	.220" + .020" - .010" (5.59 + .508 - .254)	.245" + .020" - .010" (6.22 + .508 - .254)	.130" (3.30) Max.	S	.030" ± .010" (.762 ± .254)	Ni Barrier, Au Flash
	.220" + .020" - .010" (5.59 + .508 - .254)	.245" + .020" - .010" (6.22 + .508 - .254)	.130" (3.30) Max.	T ¹	.030" ± .010" (.762 ± .254)	Ni Barrier, Sn62 Solder Dip
	.220" + .020" - .010" (5.59 + .508 - .254)	.245" + .020" - .010" (6.22 + .508 - .254)	.130" (3.30) Max.	U	.030" ± .010" (.762 ± .254)	Ni Barrier, Solder Plate

Laser markings available in Horizontal orientation only. Code L

1. T-termination available only per special request.

Non-magnetic "P" termination available – please consult factory.

Capacitance Table

DLI C22 CF High Q, High Power, Capacitance Values															
Available in CF Dielectric Material Only															
CAP CODE	CAP (pF)	Tol	Rated WVDC	CAP CODE	CAP (pF)	Tol	Rated WVDC	CAP CODE	CAP (pF)	Tol	Rated WVDC	CAP CODE	CAP (pF)	Tol	Rated WVDC
1R0	1.0	B C D	2500V Code B	8R2	8.2	B, C, D	2500V Code B	680	68	F G J K M	2500V Code B	561	560	F G J K M	1000V Code 7
1R2	1.2								681			680			
1R5	1.5								821			820			
1R8	1.8								102			1000			
2R2	2.2								122			1200	F G J K M	500 V Code 4	
2R7	2.7								152			1500			
3R3	3.3								182			1800			
3R9	3.9								222			2200	F G J K M	300V Code 3	
4R7	4.7								272			2700			
5R6	5.6														
6R8	6.8														

Electrical Specification

Dielectric Material Code	Temperature Coefficient (ppm/°C Maximum)	Dissipation Factor (% @ 1MHz Maximum)	Dielectric Withstanding Voltage		Insulation Resistance (MΩ Minimum)		Aging	Piezoelectric Effects	Dielectric Absorption
			Voltage Rating (Volts)	DWV (Volts)	@ +25°C	@ +125°C			
CF	0 ± 15	0.05	2500	3000	10 ⁶	10 ⁵	None	None	None
			1500	1800					
			1000	1500					
			500	1250					
			300	750					

Dissipation Factor applies to values of 4.7pF or greater.

Parts rated >1000V are 100% IR tested @ 100V

Tolerance Codes

Code	Tolerance
B	± 0.10pF
C	± 0.25pF
D	± 0.50pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

Dielectric Laboratories Inc.

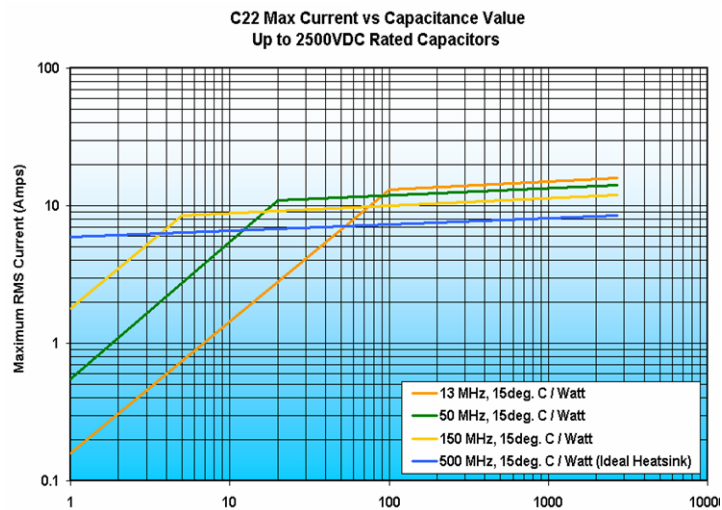
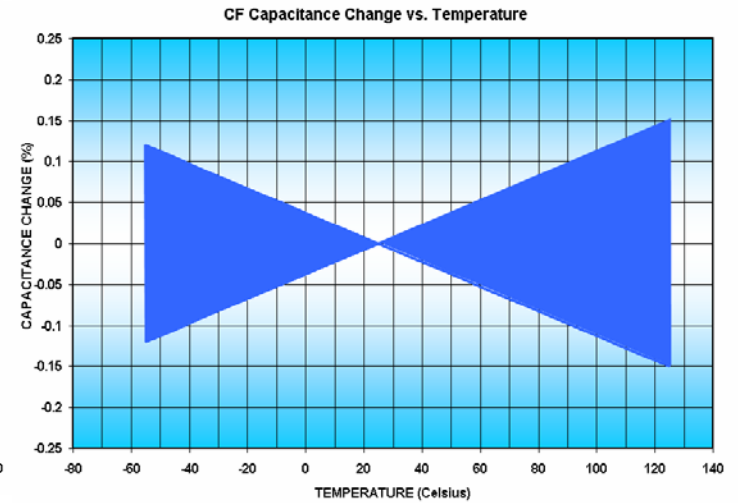
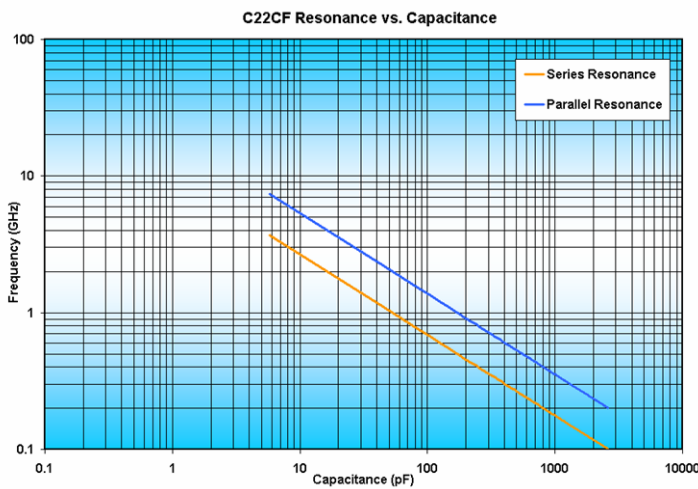
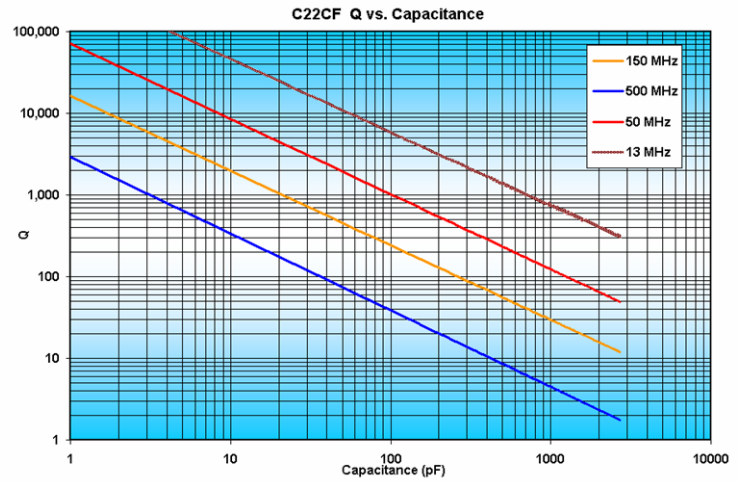
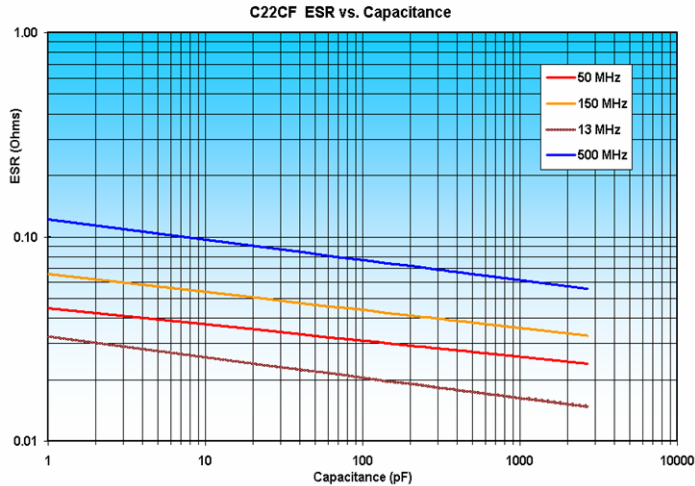
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QUALITY SYSTEM ISO 9001 CERTIFIED/ENVIRONMENTAL SYSTEM ISO 14001 CERTIFIED