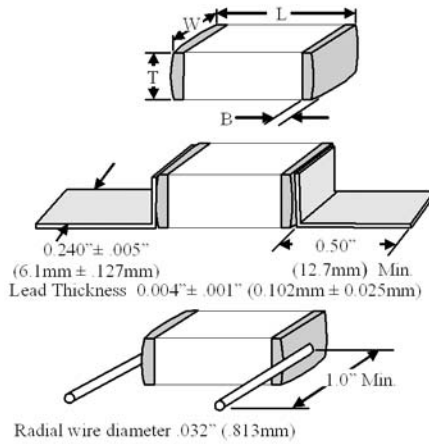


FUNCTIONAL APPLICATIONS

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

BENEFITS

Power handling, High voltage
High Q
Low ESR
-55 to +125 °C Operating Range

**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, Tin Plate
				S		Ni Barrier, Au Flash
				P		AgPd Termination
				U		Ni Barrier, Solder Plate

Laser markings available in Horizontal orientation only, Code L

Capacitance Table

C22 High Q, High Power, Capacitance Values																
Available in CF Dielectric Material Only																
CAP CODE	CAP (pF)	Cap Tol	Rated WVDC	CAP CODE	CAP (pF)	Cap Tol	Rated WVDC	CAP CODE	CAP (pF)	Cap Tol	Rated WVDC	CAP CODE	CAP (pF)	Cap 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			100	10			820	82				681			680
1R5	1.5			120	12			101	100				821			820
1R8	1.8			150	15			121	120				102			1000
2R2	2.2			180	18			151	150				122			1200
2R7	2.7			220	22			181	180				152		1500	500 V Code 4
3R3	3.3			270	27			221	220				182		1800	
3R9	3.9			330	33			271	270				222		2200	
4R7	4.7			390	39			331	330				272		2700	300V Code 3
5R6	5.6			470	47			391	390							
6R8	6.8	560	56		471	470										

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					

Tolerance Codes

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

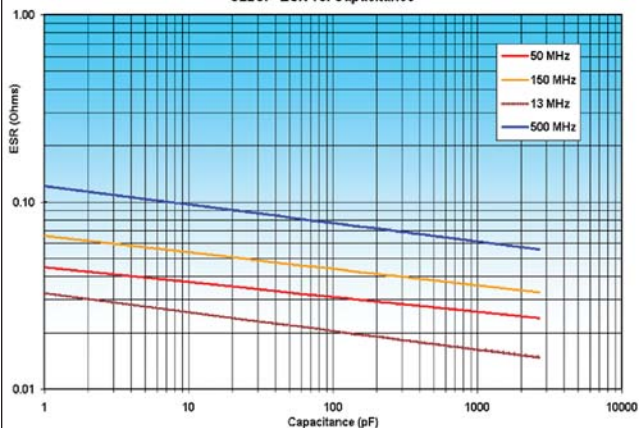
Dissipation Factor applies to values of 4.7pF or greater.
Parts rated >1000V are 100% IR tested @1000V



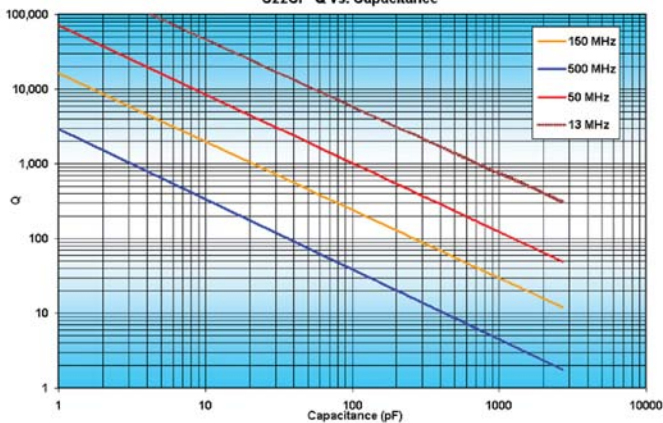
C22 2225



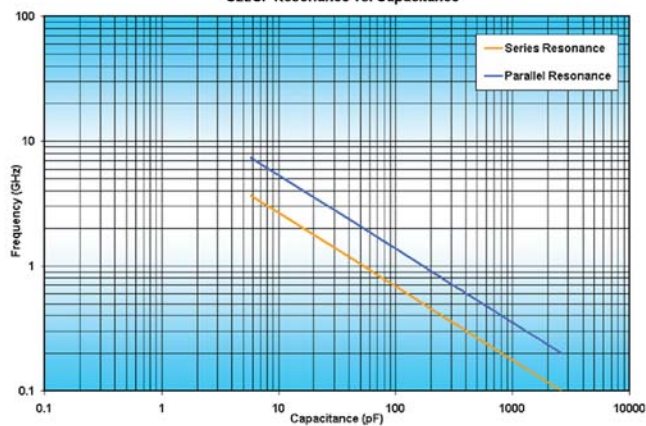
C22CF ESR vs. Capacitance



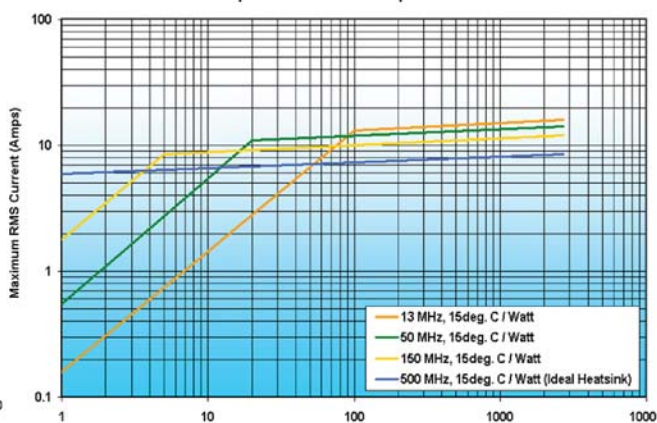
C22CF Q vs. Capacitance



C22CF Resonance vs. Capacitance



C22 Max Current vs Capacitance Value
Up to 2500VDC Rated Capacitors



Dielectric Laboratories

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Dielectric Laboratories:

<u>C22CF101J-BZN-X1T</u>	<u>C22CF221J-BZN-X1T</u>	<u>C22CF8R2B-BZN-X1T</u>	<u>C22CF471J-AZN-X1T</u>	<u>C22CF391J-AZN-X1T</u>
<u>C22CF560J-BZN-X1T</u>	<u>C22CF122J-7ZN-X1T</u>	<u>C22CF4R7B-BZN-X1T</u>	<u>C22CF680J-BZN-X1T</u>	<u>C22CF270J-BZN-X1T</u>
<u>C22CF820J-BZN-X1T</u>	<u>C22CF681J-7ZN-X1T</u>	<u>C22CF152J-4ZN-X1T</u>	<u>C22CF6R8B-BZN-X1T</u>	<u>C22CF5R6B-BZN-X1T</u>
<u>C22CF3R3B-BZN-X1T</u>	<u>C22CF390J-BZN-X1T</u>	<u>C22CF561J-7ZN-X1T</u>	<u>C22CF2R7B-BZN-X1T</u>	<u>C22CF470J-BZN-X1T</u>
<u>C22CF100J-BZN-X1T</u>	<u>C22CF151J-BZN-X1T</u>	<u>C22CF3R9B-BZN-X1T</u>	<u>C22CF182J-4ZN-X1T</u>	<u>C22CF120J-BZN-X1T</u>
<u>C22CF331J-AZN-X1T</u>	<u>C22CF1R8B-BZN-X1T</u>	<u>C22CF330J-BZN-X1T</u>	<u>C22CF1R5B-BZN-X1T</u>	<u>C22CF102J-7ZN-X1T</u>
<u>C22CF1R0B-BZN-X1T</u>	<u>C22CF150J-BZN-X1T</u>	<u>C22CF271J-BZN-X1T</u>	<u>C22CF1R2B-BZN-X1T</u>	<u>C22CF2R2B-BZN-X1T</u>
<u>C22CF181J-BZN-X1T</u>	<u>C22CF220J-BZN-X1T</u>	<u>C22CF222J-3ZN-X1T</u>	<u>C22CF121J-BZN-X1T</u>	<u>C22CF821J-7ZN-X1T</u>
<u>C22CF272J-3ZN-X1T</u>	<u>C22CF180J-BZN-X1T</u>			

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