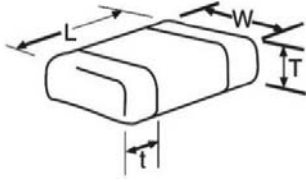


(0402 50V X7R 820pF ±10%)

Dimensions

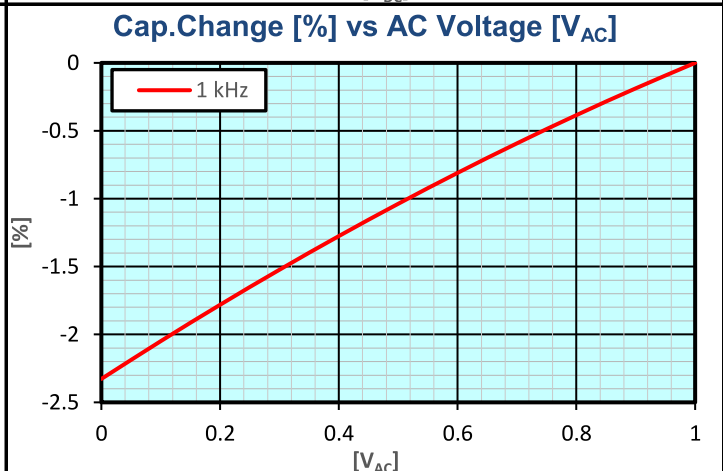
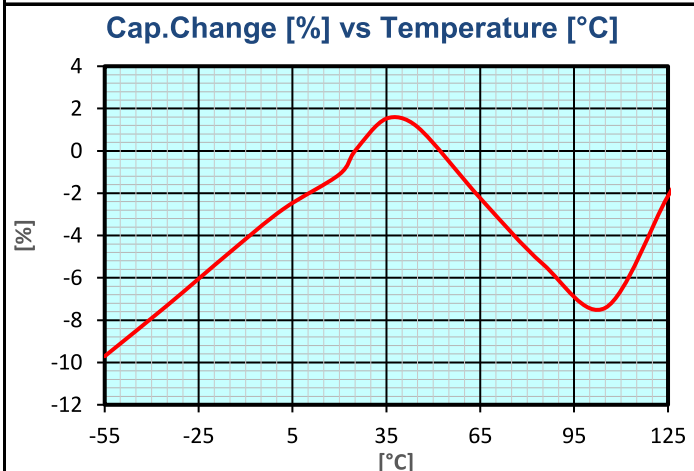
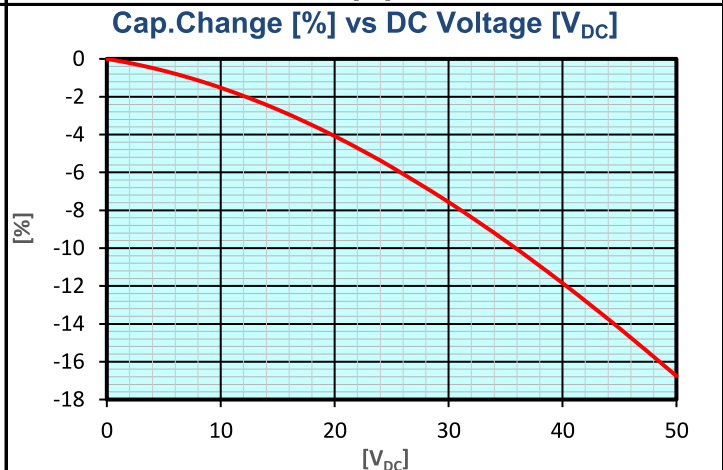
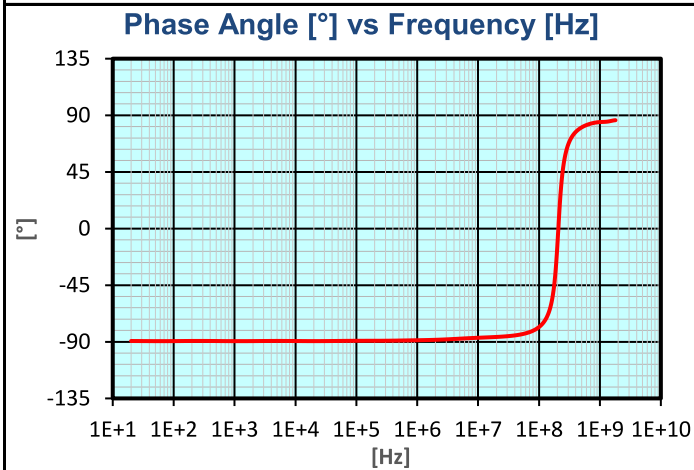
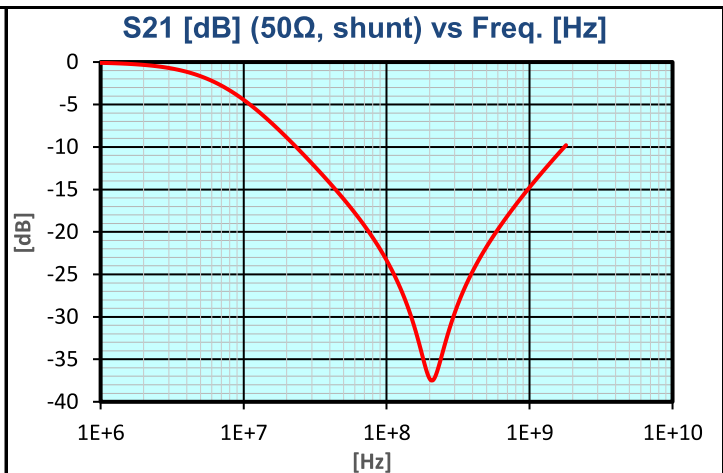
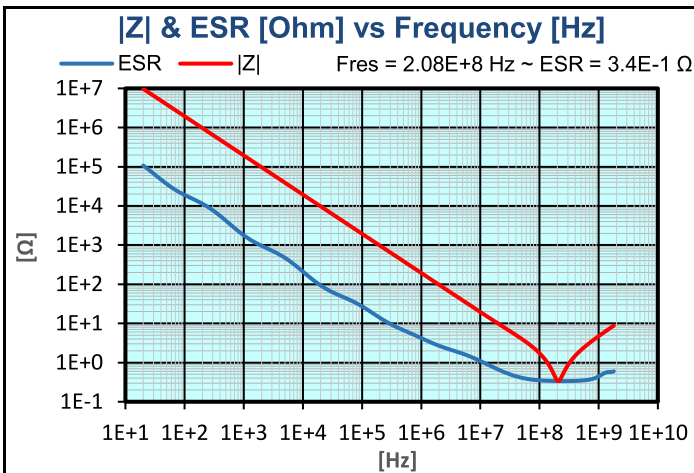


	millimetres	inches
L	1 ± 0.1	0.039 ± 0.004
W	0.5 ± 0.1	0.02 ± 0.004
T max.	0.56	0.022
t	0.25 ± 0.15	0.01 ± 0.006

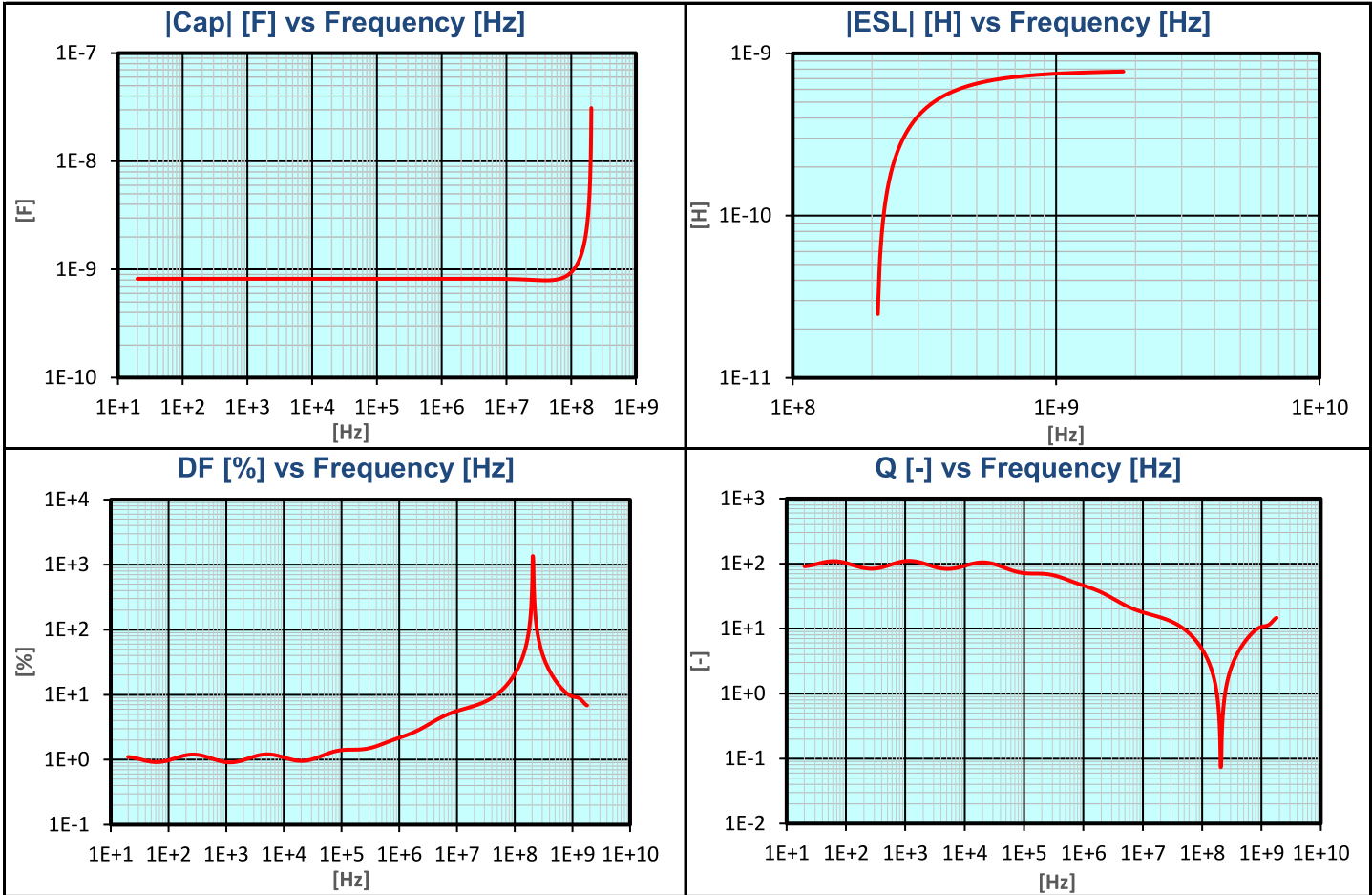
Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	pF	738 to 902	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	GΩ	100 min.	@ 50 Vdc, t = 120 s
DWV	Vdc	125	@ I ≤ 50mA, t ≤ 5 s
Operating Temperature		-55°C to +125°C	
Dielectric		X7R	
AEC-Q200		Not qualified	
RoHS Compliant		Yes	
Termination		Sn	

Electrical Characteristics



Electrical Characteristics



How To Order

0805

Size
(L" x W")

5

Voltage
4V = 4
6.3V = 6
10V = Z
16V = Y
25V = 3
50V = 5
100V = 1
200V = 2
500V = 7

C

Dielectric
X7R = C

103

Capacitance Code (In pF)
2 Sig. Digits +
Number of Zeros

M

Capacitance Tolerance
J = ± 5%*
K = ±10%
M = ± 20%

*≤1μF only,
contact factory for
additional values

A

Failure Rate
A = Not
Applicable

T

Terminations
T = Plated Ni and Sn
Z= FLEXITERM®**

*Optional termination

**See FLEXITERM®
X7R section

2

Packaging
2 = 7" Reel
4 = 13" Reel

Contact Factory For Multiples

A

Special Code
A = Std.
Product

NOTE: Contact factory for availability of Termination and Tolerance Options for Specific Part Numbers.
Contact factory for non-specified capacitance values.