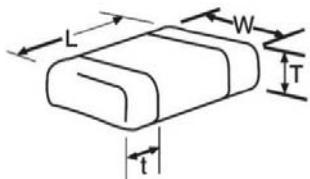


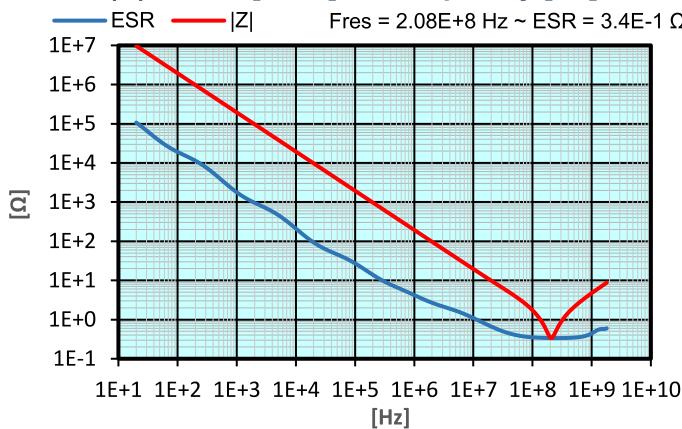
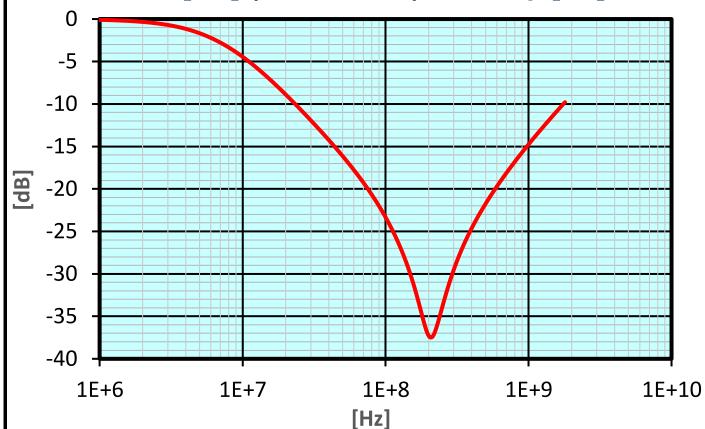
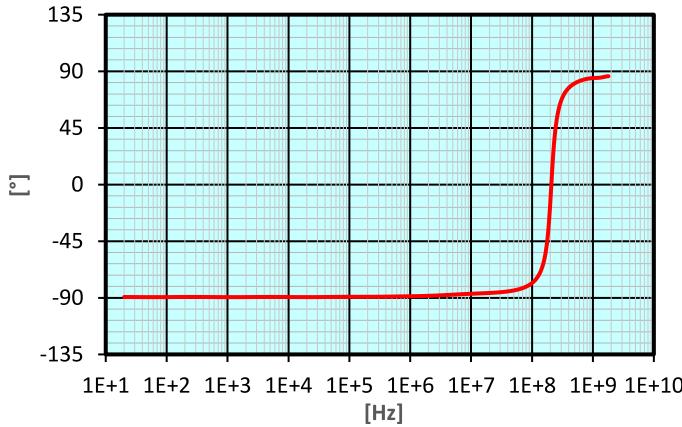
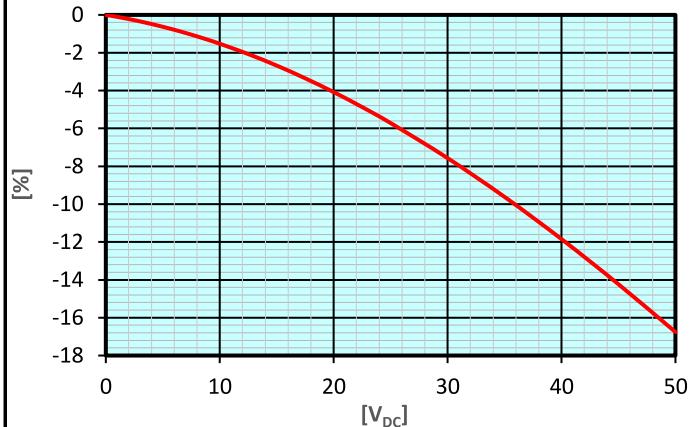
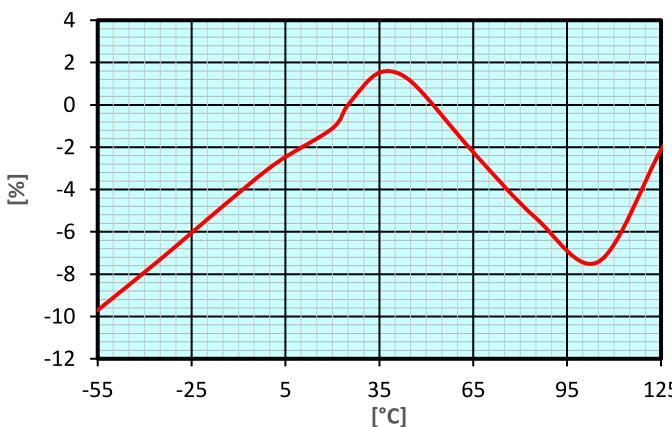
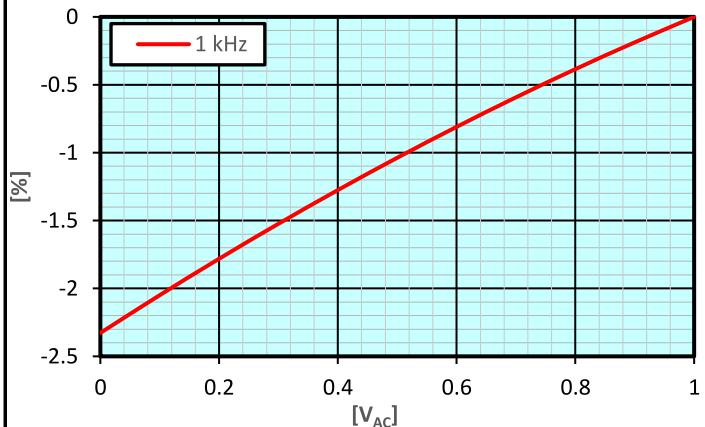
(0402 50V X7R 820pF ±10%)

Dimensions

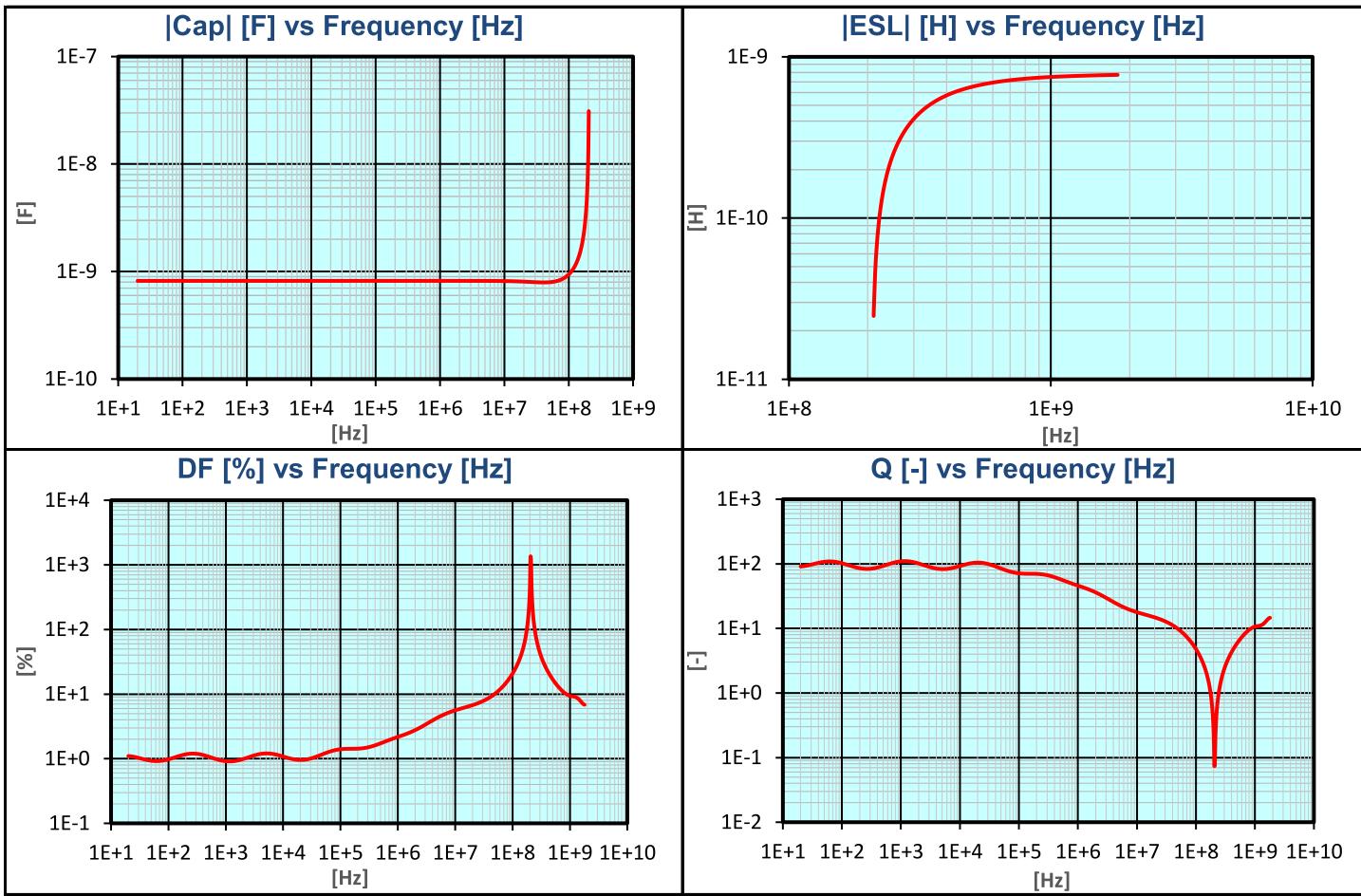
	millimetres	inches
L	1 ± 0.1	0.039 ± 0.004
W	0.5 ± 0.1	0.02 ± 0.004
T max.	0.56	0.022
t	0.25 ± 0.15	0.01 ± 0.006

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**|Z| & ESR [Ohm] vs Frequency [Hz]****S21 [dB] (50Ω, shunt) vs Freq. [Hz]****Phase Angle [°] vs Frequency [Hz]****Cap.Change [%] vs DC Voltage [V_{DC}]****Cap.Change [%] vs Temperature [°C]****Cap.Change [%] vs AC Voltage [V_{AC}]**

Electrical Characteristics



How To Order

0805	5	C	103	M	A	T	2	A
Size (L" x W")	Voltage 4V = 4 6.3V = 6 10V = Z 16V = Y 25V = 3 50V = 5 100V = 1 200V = 2 500V = 7	Dielectric X7R = C	Capacitance Code (In pF) 2 Sig. Digits + Number of Zeros	Capacitance Tolerance J = ± 5%* K = ±10% M = ± 20%	Failure Rate A = Not Applicable	Terminations T = Plated Ni and Sn Z= FLEXITERM®** *Optional termination **See FLEXITERM® X7R section	Packaging 2 = 7" Reel 4 = 13" Reel	Special Code A = Std. Product
				*≤1μF only, contact factory for additional values				Contact Factory For Multiples

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

NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee or responsibility of any kind, expressed or implied. Specifications are typical and may not apply to all applications.