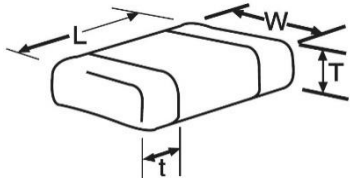


Electrical Characteristics Data

Data in this document is subject to change without notice.

Dimensions



millimetres (inches)

L	2.01 $\pm$ 0.20 (0.079 $\pm$ 0.008)
W	1.25 $\pm$ 0.20 (0.049 $\pm$ 0.008)
T max.	1.4 (0.055)
t	0.50 $\pm$ 0.25 (0.020 $\pm$ 0.010)

Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	90 to 110	@ 1 kHz, 1 Vrms
DF	%	2.5 max.	@ 1 kHz, 1 Vrms
IR	G Ω	10 min.	@ 50 Vdc
DWV	Vdc	125	@ I $\leq$ 50mA, t $\leq$ 5 s

Operating Temperature

-55°C to +150°C

Dielectric

X8R

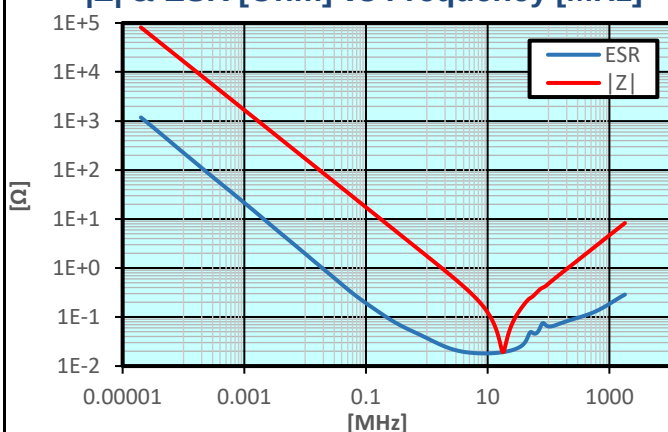
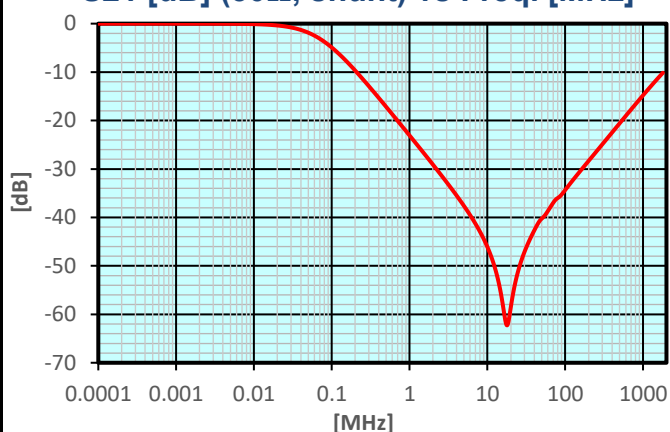
AEC-Q200

Qualified

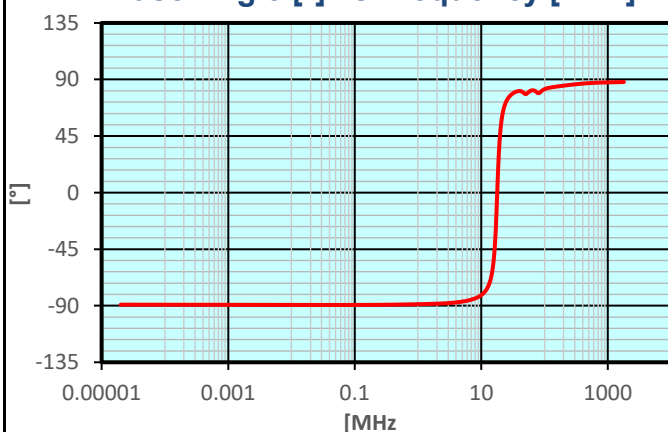
RoHS Compliant

Yes

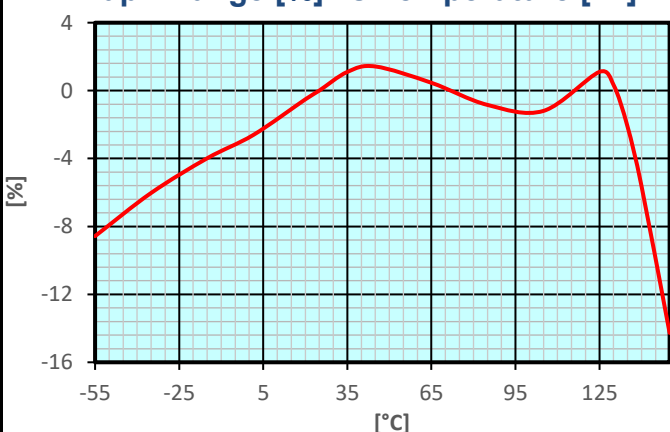
|Z| & ESR [Ohm] vs Frequency [MHz]

S21 [dB] (50 Ω , shunt) vs Freq. [MHz]

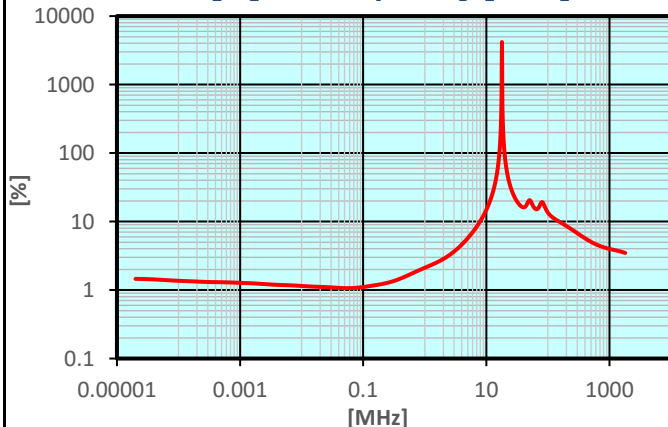
Phase Angle [°] vs Frequency [MHz]



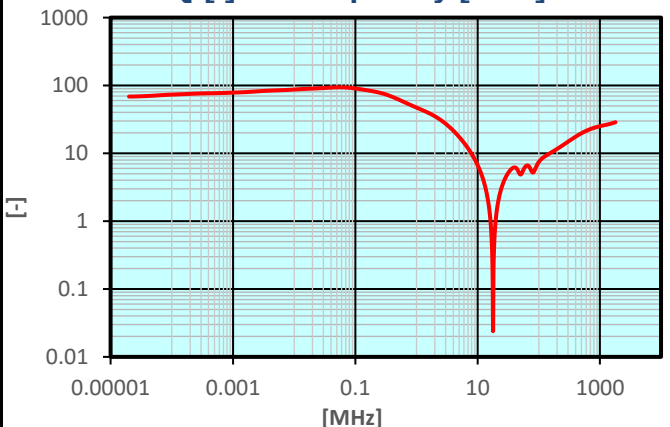
Cap.Change [%] vs Temperature [°C]



DF [%] vs Frequency [MHz]



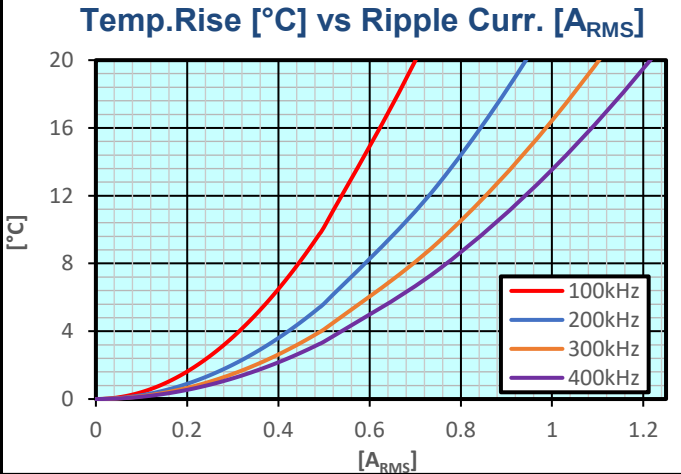
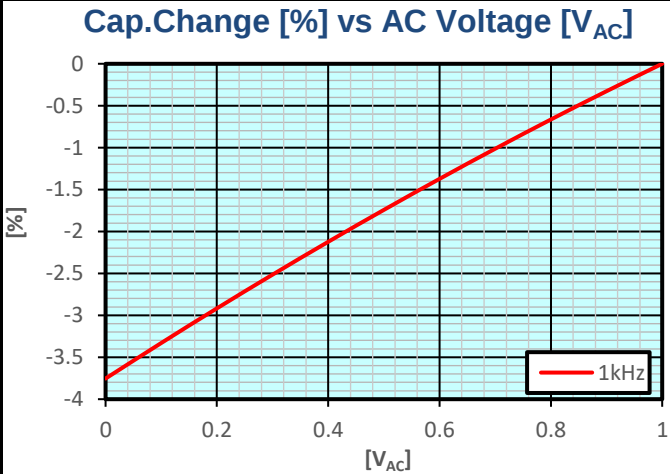
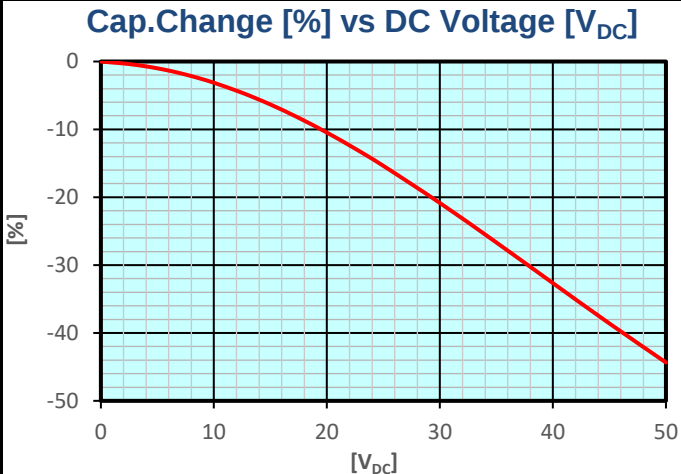
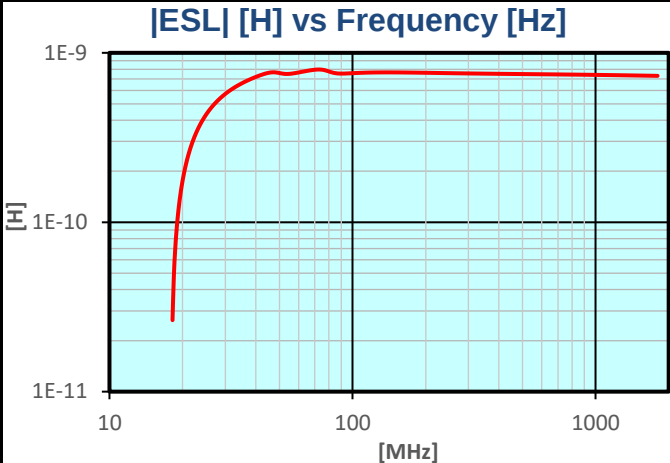
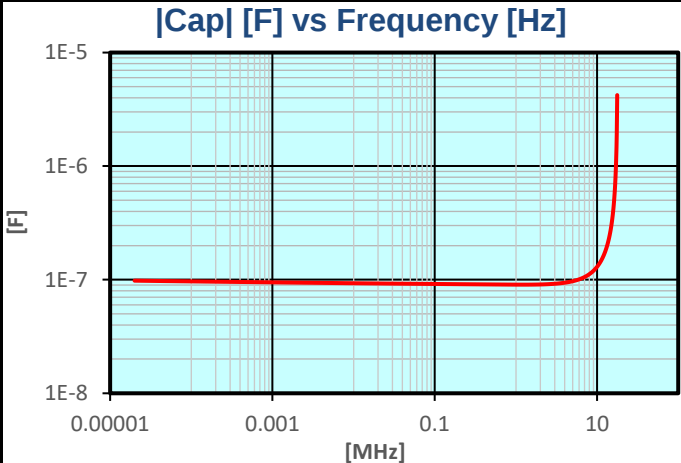
Q [-] vs Frequency [MHz]





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HOW TO ORDER:

0805 T	5 T	L T	103 T	K T	A T	T T	2 T	A T
AVX Style	Voltage	Dielectric	Capacitance Code	Capacitance Tolerance	Failure Rate	Termination	Packaging/ Marking	Special Code
0603	16V = Y	F = X8R	(2 significant digits	J = ±5%*	A = Standard	T = Plated Ni/Sn	2 = 7" Reel	A = Standard
0805	25V = 3	L = X8L	+ no of zeros)	K = ±10%	4 = Automotive	Z = Flexitem®	4 = 13" Reel	
1206	50V = 5			M = ±20%		U = Conductive Epoxy for Hybrid apps		
	100V = 1		Examples: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 223 = 22000 pF 224 = 220000 pF 105 = 1µF 106 = 10µF 107 = 100µF					