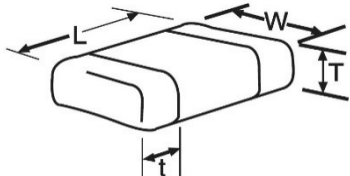


Electrical Characteristics Data

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Dimensions



millimetres (inches)

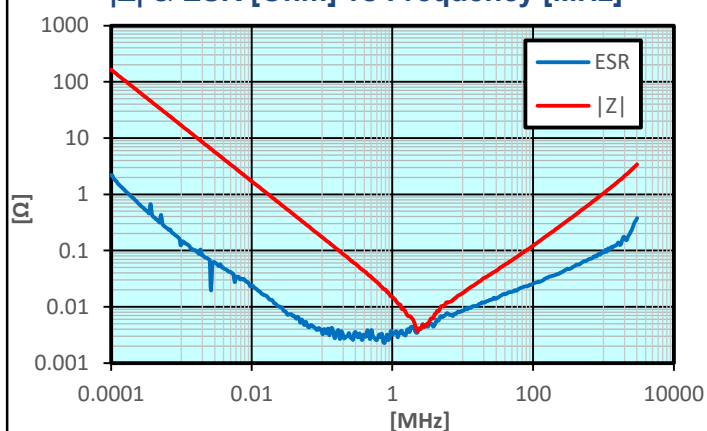
L	2.00 ± 0.20 (0.079 ± 0.008)
W	1.25 ± 0.20 (0.049 ± 0.008)
T max.	1.45 (0.057)
t	0.45 ± 0.25 (0.018 ± 0.010)

Basic Specifications

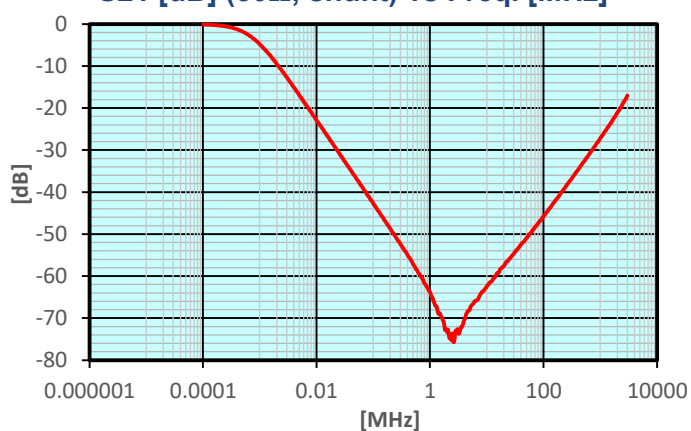
Item	Unit	Spec.	Conditions
Capacitance	uF	9 to 11	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	MΩ	5 min.	@ 10 Vdc, t = 60 s
DWV	Vdc	25	@ I ≤ 50mA, t ≤ 5 s

Operating Temperature	-55°C to +125°C
Dielectric	X7R
AEC-Q200	Qualified
RoHS Compliant	Yes

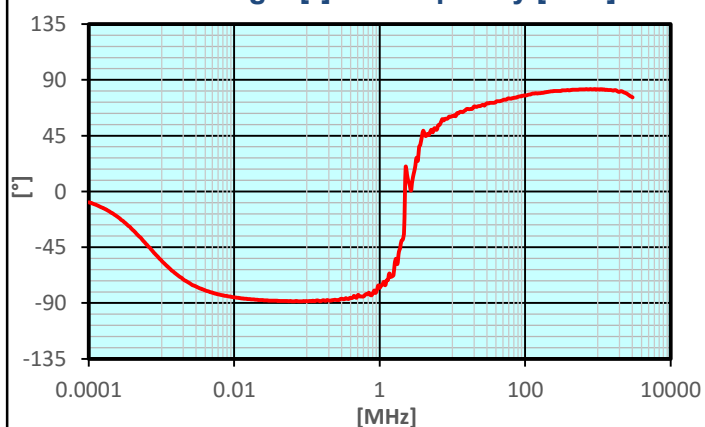
|Z| & ESR [Ohm] vs Frequency [MHz]



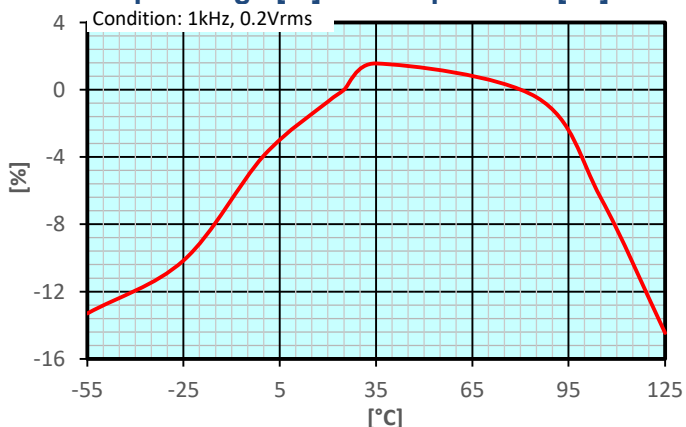
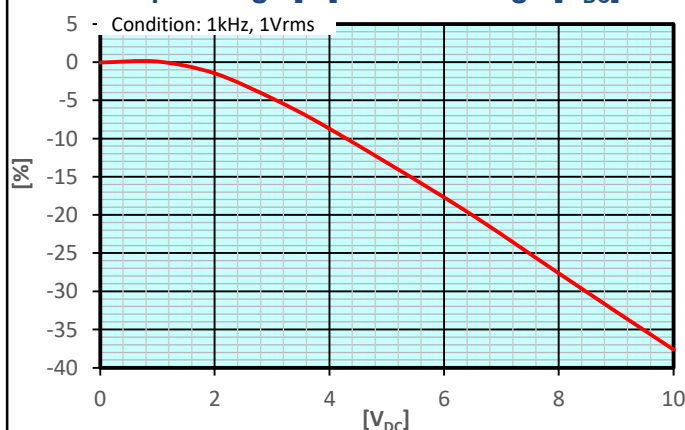
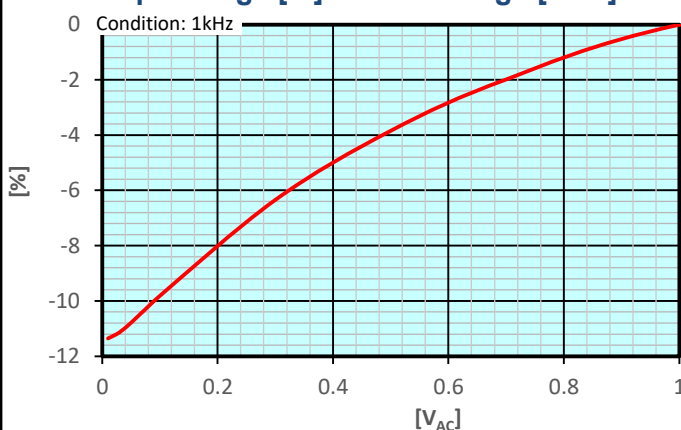
S21 [dB] (50Ω, shunt) vs Freq. [MHz]



Phase Angle [°] vs Frequency [MHz]

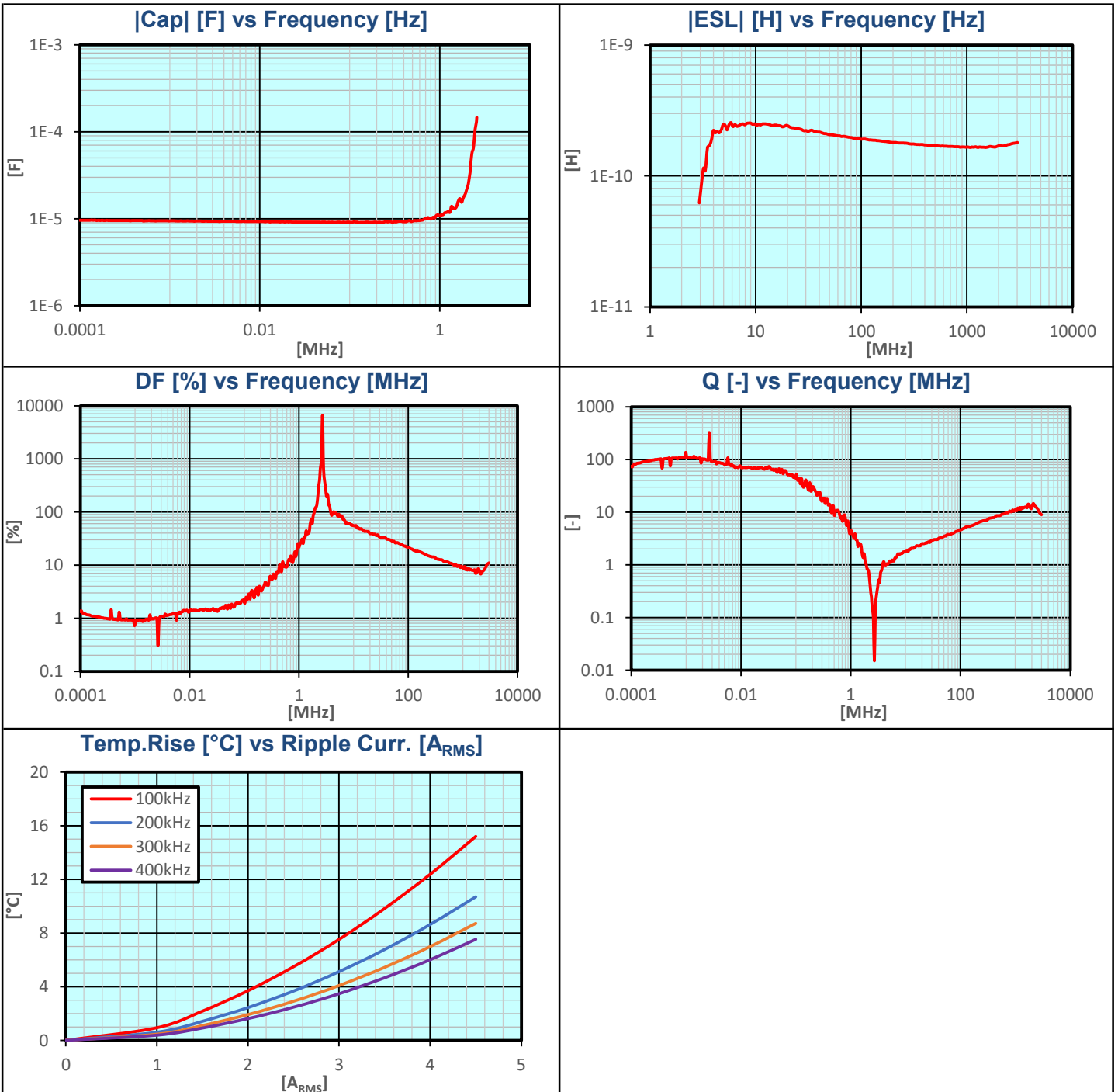


Cap.Change [%] vs Temperature [°C]

Cap.Change [%] vs DC Voltage [V_{DC}]Cap.Change [%] vs AC Voltage [V_{AC}]

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HOW TO ORDER:

0805	5	C	103	K	A	T	2	A
AVX	Voltage	Dielectric	Capacitance	Capacitance	Failure	Termination	Packaging/	Special
Style			Code	Tolerance	Rate		Marking	Code
0101*	4V = 4	C = X7R	(2 significant digits + no of zeros)	J = ±5%*	A = Standard	T = Plated Ni/Sn	2 = 7" Reel	A = Standard
0201	6.3V = 6			K = ±10%	4 = Automotive	Z = Flexitem®	4 = 13" Reel	
0402	10V = Z			M = ±20%				
0603	16V = Y		Examples:					
0805	25V = 3		100 = 10 pF	*≤1μF only,				
1206	50V = 5		101 = 100 pF	contact factory for				
1210	100V = 1		102 = 1000 pF	additional values				
1812	200V = 2		223 = 22000 pF					
1825	500V = 7		224 = 220000 pF					
2220			105 = 1μF					
2225			106 = 10μF					
			107 = 100μF					

*EIA 01005

Please check catalog for part number availability

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.