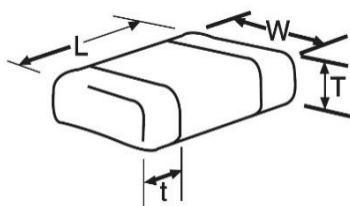


## Electrical Characteristics Data

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### Dimensions



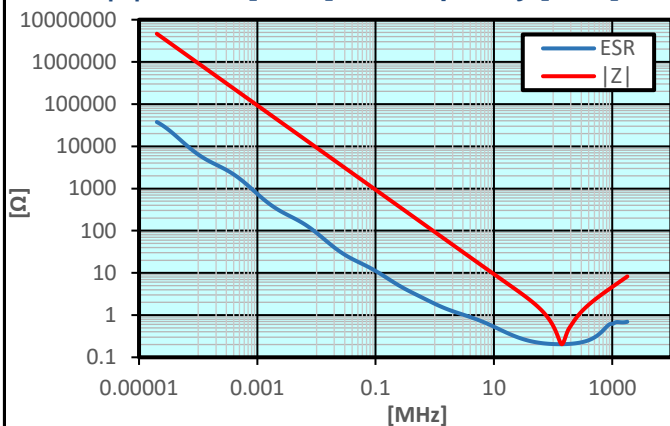
	millimetres (inches)
L	2.01 ± 0.20 (0.079 ± 0.008)
W	1.25 ± 0.20 (0.049 ± 0.008)
T max.	0.94 (0.037)
t	0.50 ± 0.25 (0.020 ± 0.010)

### Basic Specifications

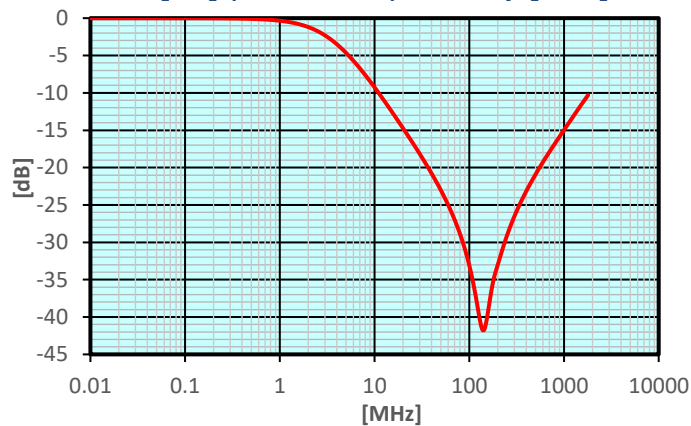
Item	Unit	Spec.	Conditions
Capacitance	nF	1.62 to 1.98	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	GΩ	100 min.	@ 50 Vdc, t = 120 s
DWV	Vdc	125	@ I ≤ 50mA, t ≤ 5 s

Operating Temperature	-55°C to +125°C
Dielectric	X7R
AEC-Q200	Not qualified
RoHS Compliant	Yes

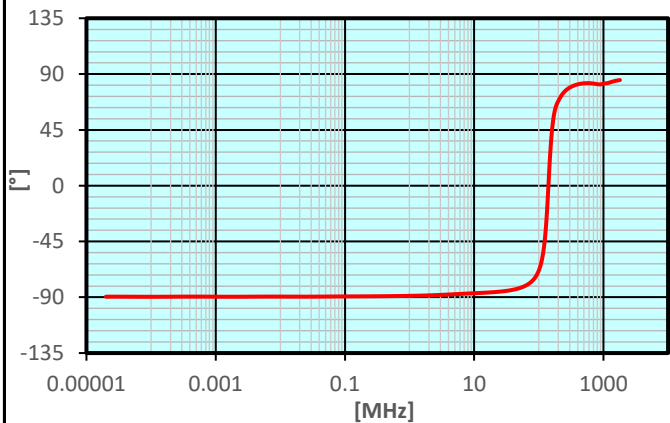
### |Z| & ESR [Ohm] vs Frequency [MHz]



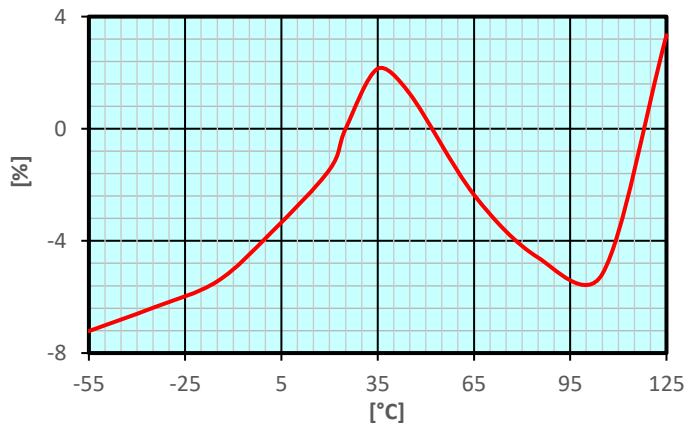
### S21 [dB] (50Ω, shunt) vs Freq. [MHz]



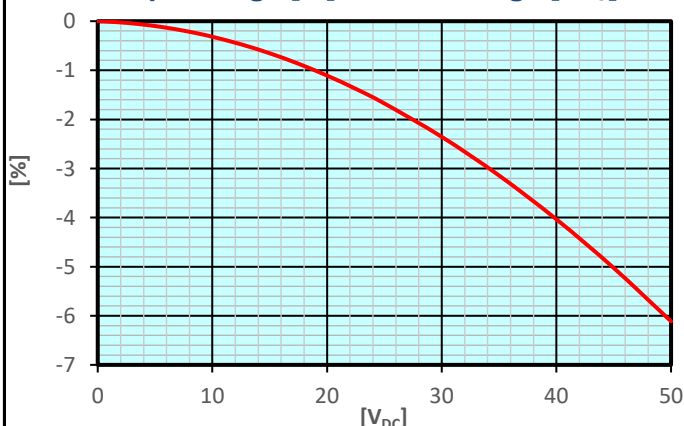
### Phase Angle [°] vs Frequency [MHz]



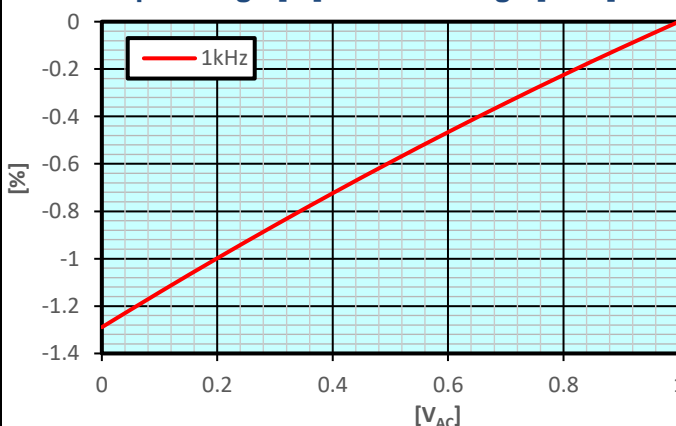
### Cap.Change [%] vs Temperature [°C]



### Cap.Change [%] vs DC Voltage [V<sub>DC</sub>]

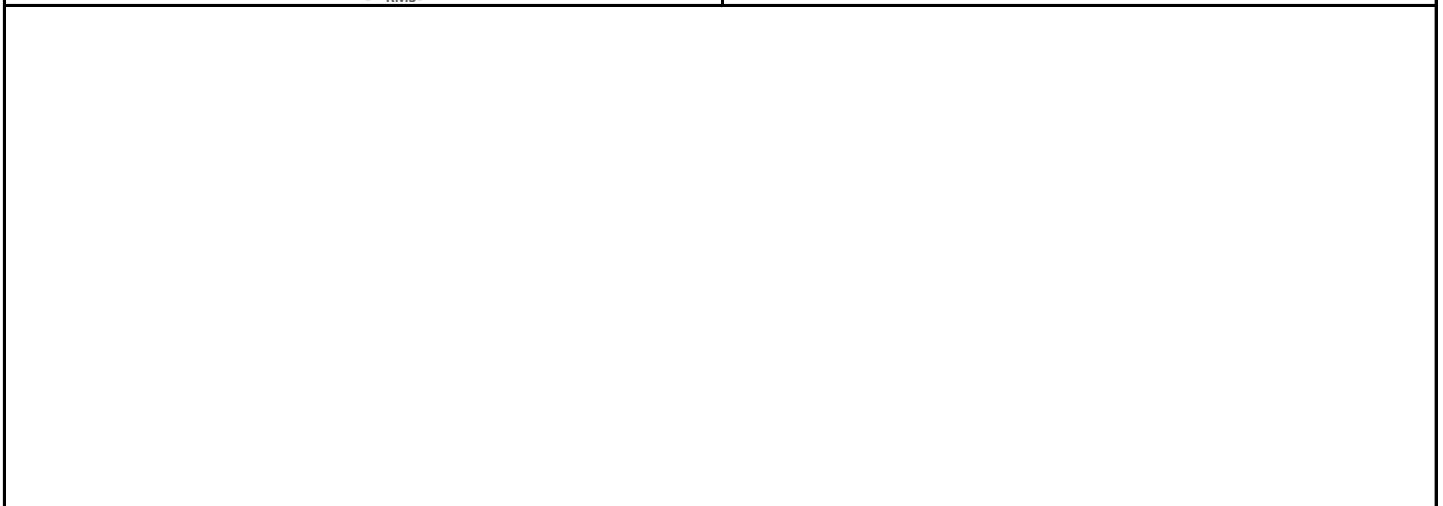
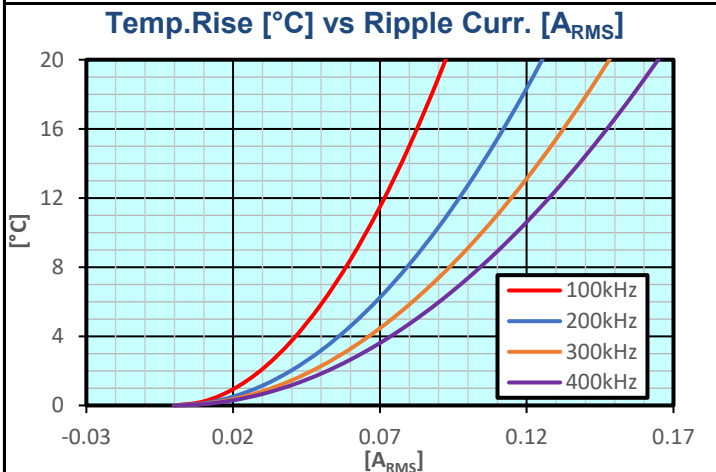
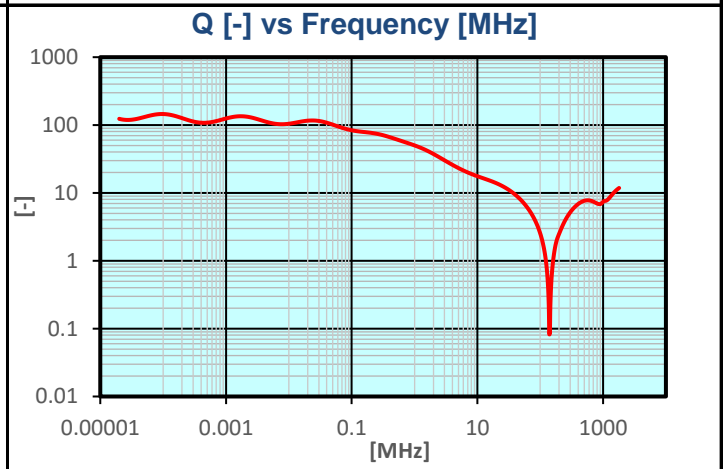
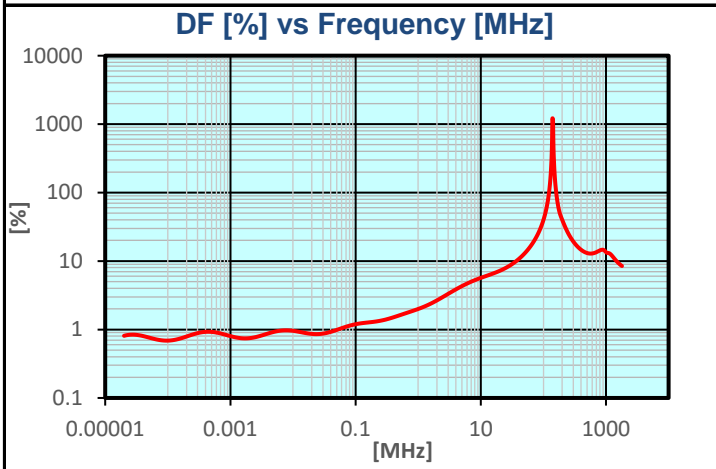
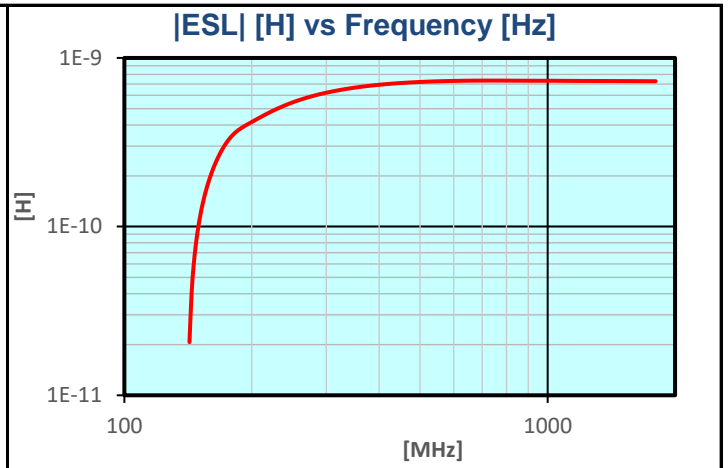
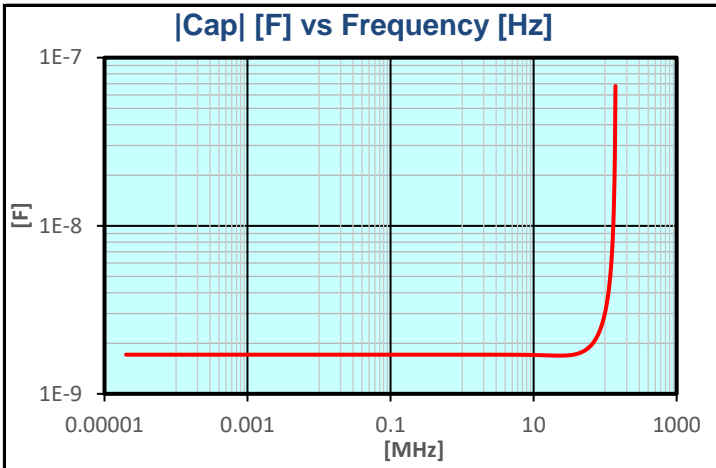


### Cap.Change [%] vs AC Voltage [V<sub>AC</sub>]



Electrical Characteristics Data

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### HOW TO ORDER:

<b>0805</b>	<b>5</b>	<b>C</b>	<b>103</b>	<b>K</b>	<b>A</b>	<b>T</b>	<b>2</b>	<b>A</b>
<b>AVX</b>	<b>Voltage</b>	<b>Dielectric</b>	<b>Capacitance Code</b>	<b>Capacitance Tolerance</b>	<b>Failure Rate</b>	<b>Termination</b>	<b>Packaging/ Marking</b>	<b>Special Code</b>
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

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