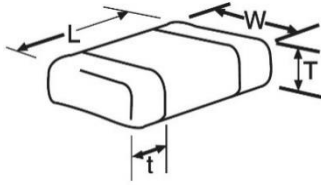


18125C104KAZ2A Datasheet

(1812 50V X7R 100nF ±10%)



Dimensions



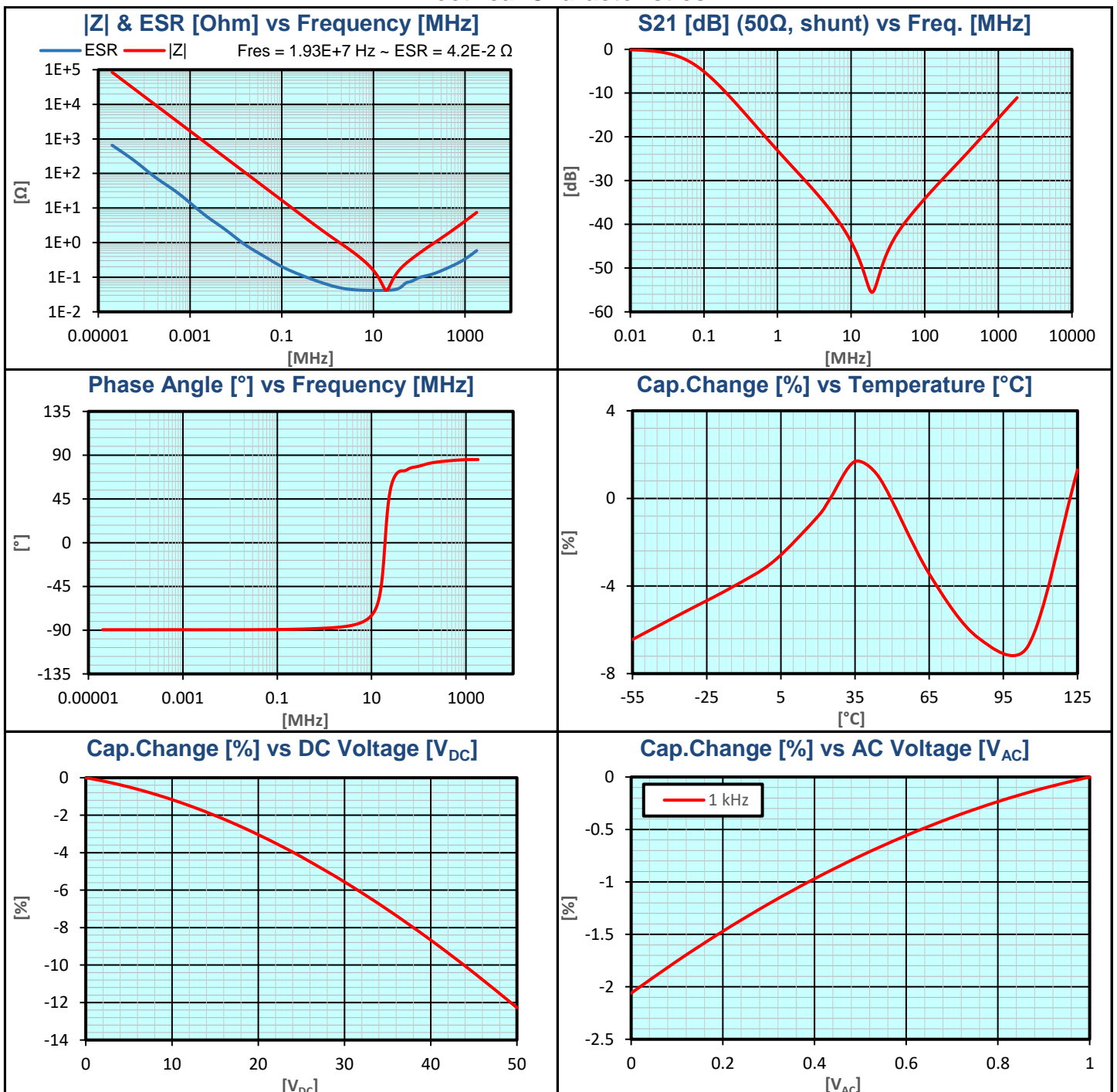
	millimetres (inches)
L	4.50 ± 0.30 (0.177 ± 0.012)
W	3.20 ± 0.20 (0.126 ± 0.008)
T max.	1.4 (0.055)
t	0.61 ± 0.36 (0.024 ± 0.014)

Basic Specifications

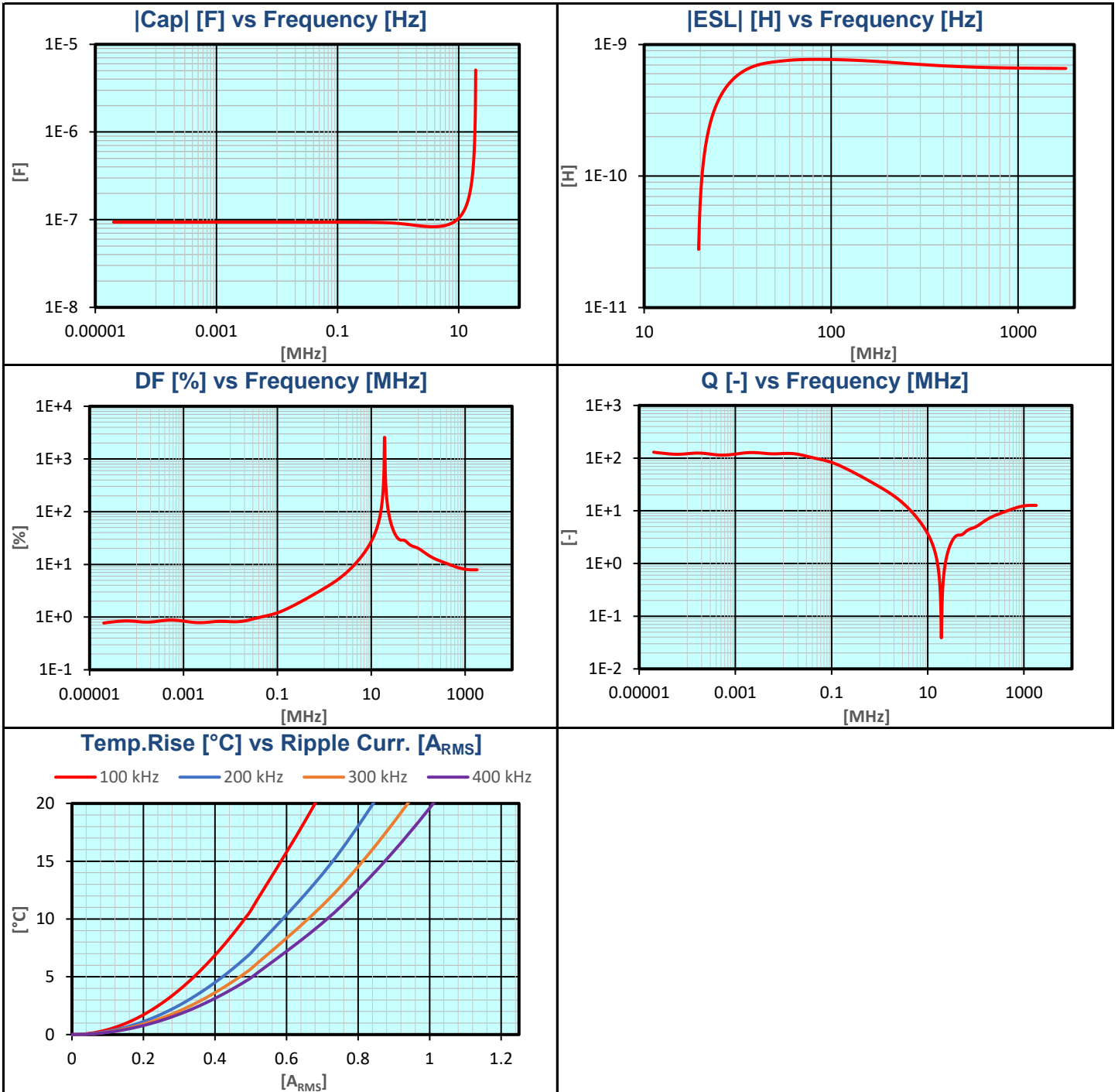
Item	Unit	Spec.	Conditions
Capacitance	nF	90 to 110	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	GΩ	10 min.	@ 50 Vdc, t = 120 s
DWV	Vdc	125	@ I ≤ 50mA, t ≤ 5 s

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

Electrical Characteristics



Electrical Characteristics



18125C104KAZ2A Datasheet

(1812 50V X7R 100nF ±10%)



How To Order

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

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