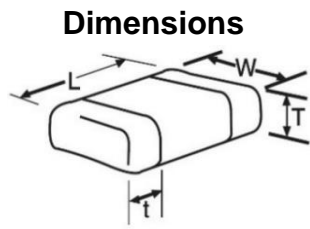


# 12105C106K4T2A Datasheet

(1210 50V X7R 10uF ±10% AEC-Q200)

To download data and simulation models visit: [SpiCAT ONLINE TOOL](#)



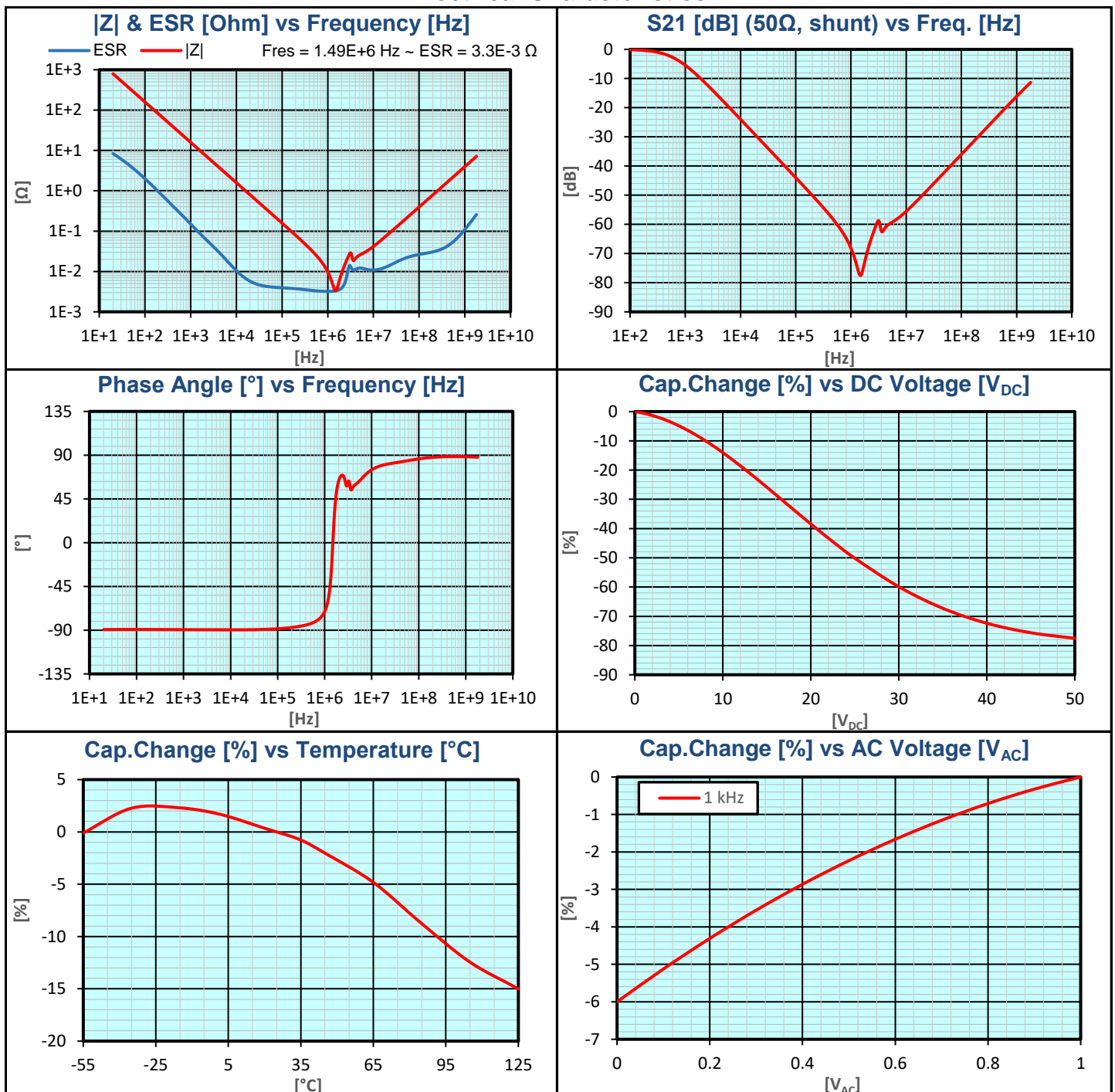
## Dimensions

	millimetres	inches
L	3.2 ± 0.2	0.126 ± 0.008
W	2.5 ± 0.2	0.098 ± 0.008
T max.	2.79	0.11
t	0.5 ± 0.25	0.02 ± 0.01

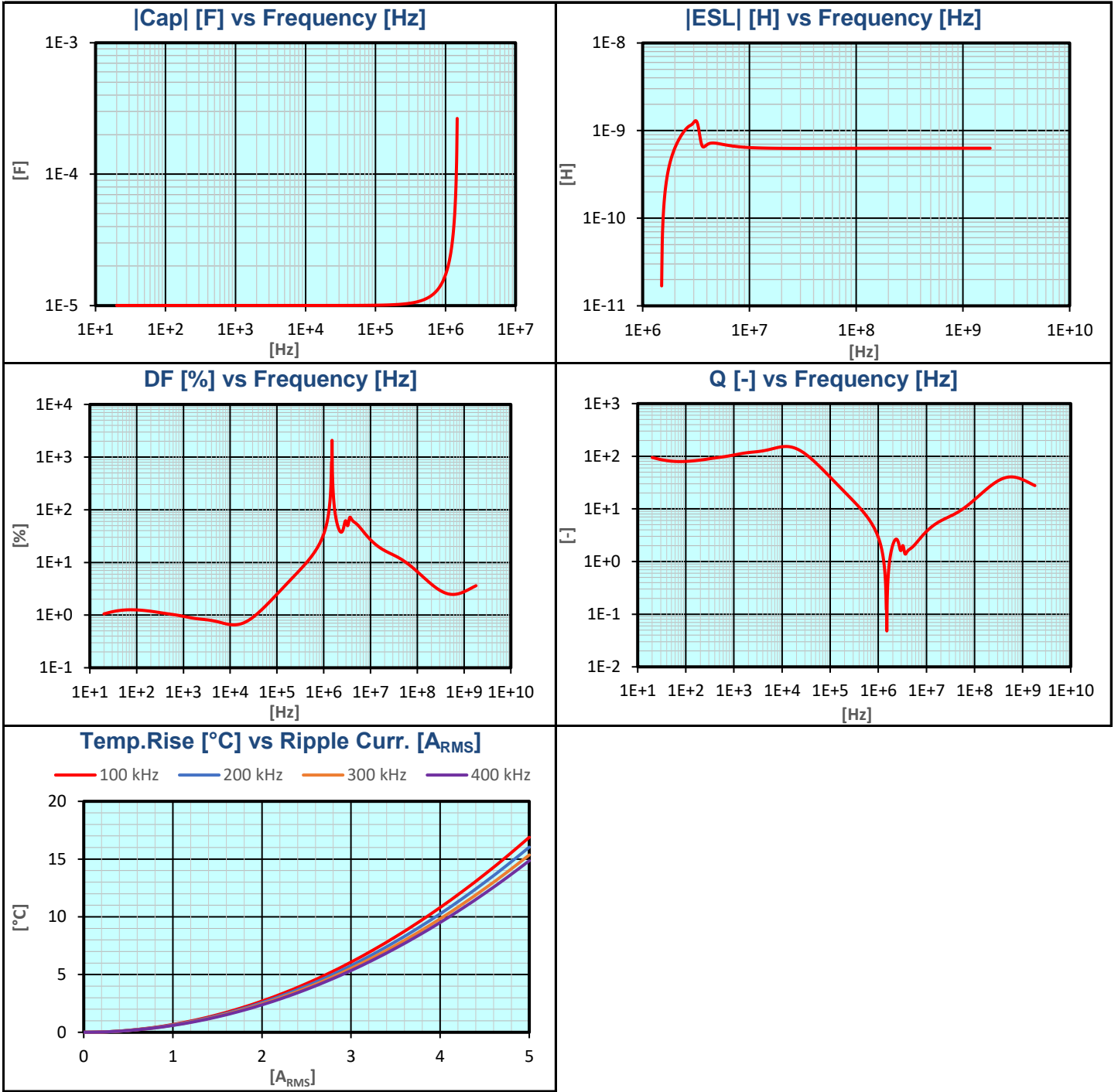
## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	uF	9 to 11	@ 1 kHz, 1 Vrms
DF	%	2.5 max.	@ 1 kHz, 1 Vrms
IR	MΩ	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		Qualified	
RoHS Compliant		Yes	
Termination		Sn	

## Electrical Characteristics



## Electrical Characteristics



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(1210 50V X7R 10uF ±10% AEC-Q200)

## How To Order

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