

# 0201YC102KAT2A Datasheet

(0201 16V X7R 1nF  $\pm 10\%$ )

To download data and  
simulation models visit: **SpiCAT**  
ONLINE TOOL

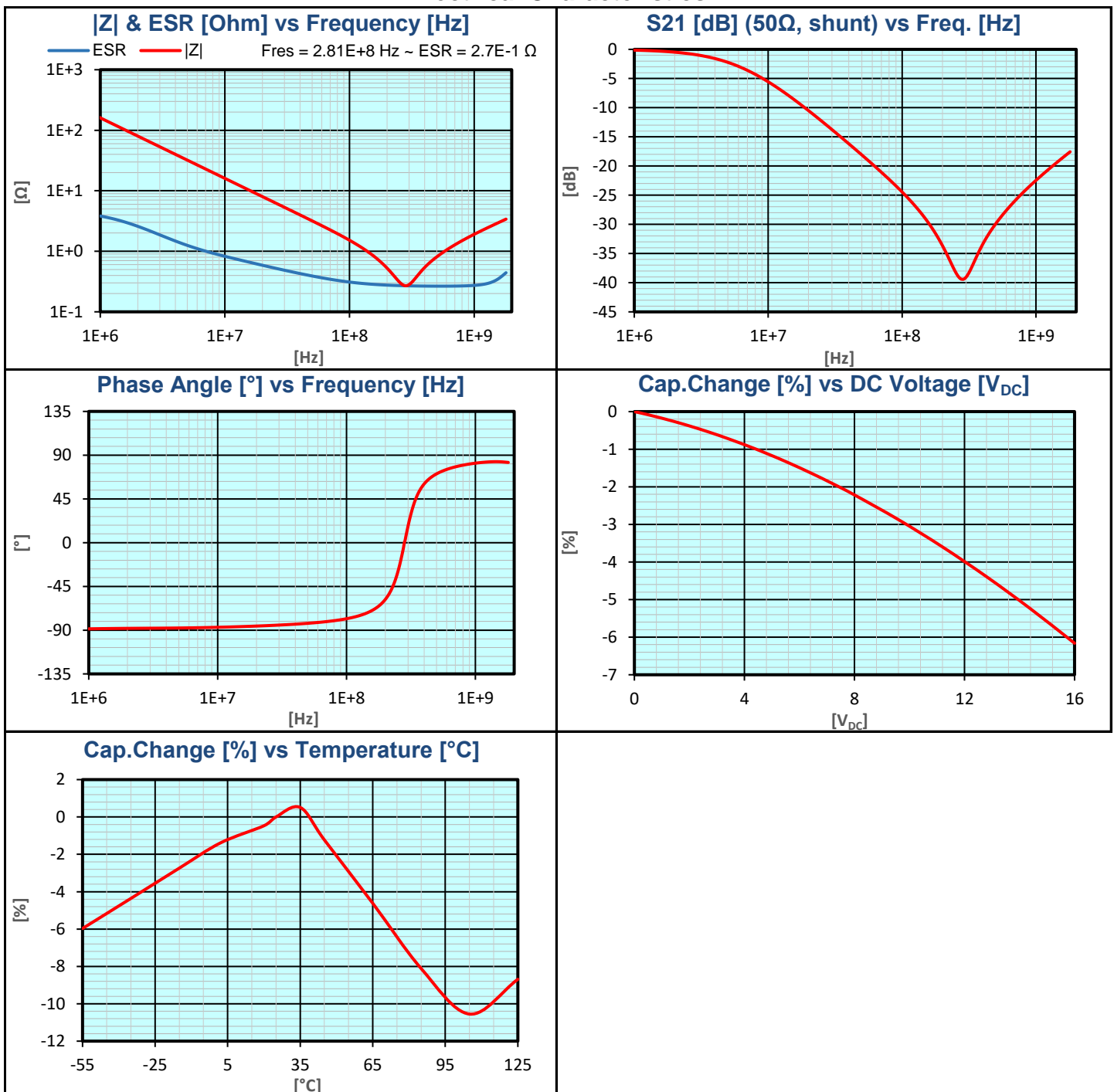


	millimetres	inches
L	$0.6 \pm 0.03$	$0.024 \pm 0.001$
W	$0.3 \pm 0.03$	$0.012 \pm 0.001$
T max.	0.33	0.013
t	$0.15 \pm 0.05$	$0.006 \pm 0.002$

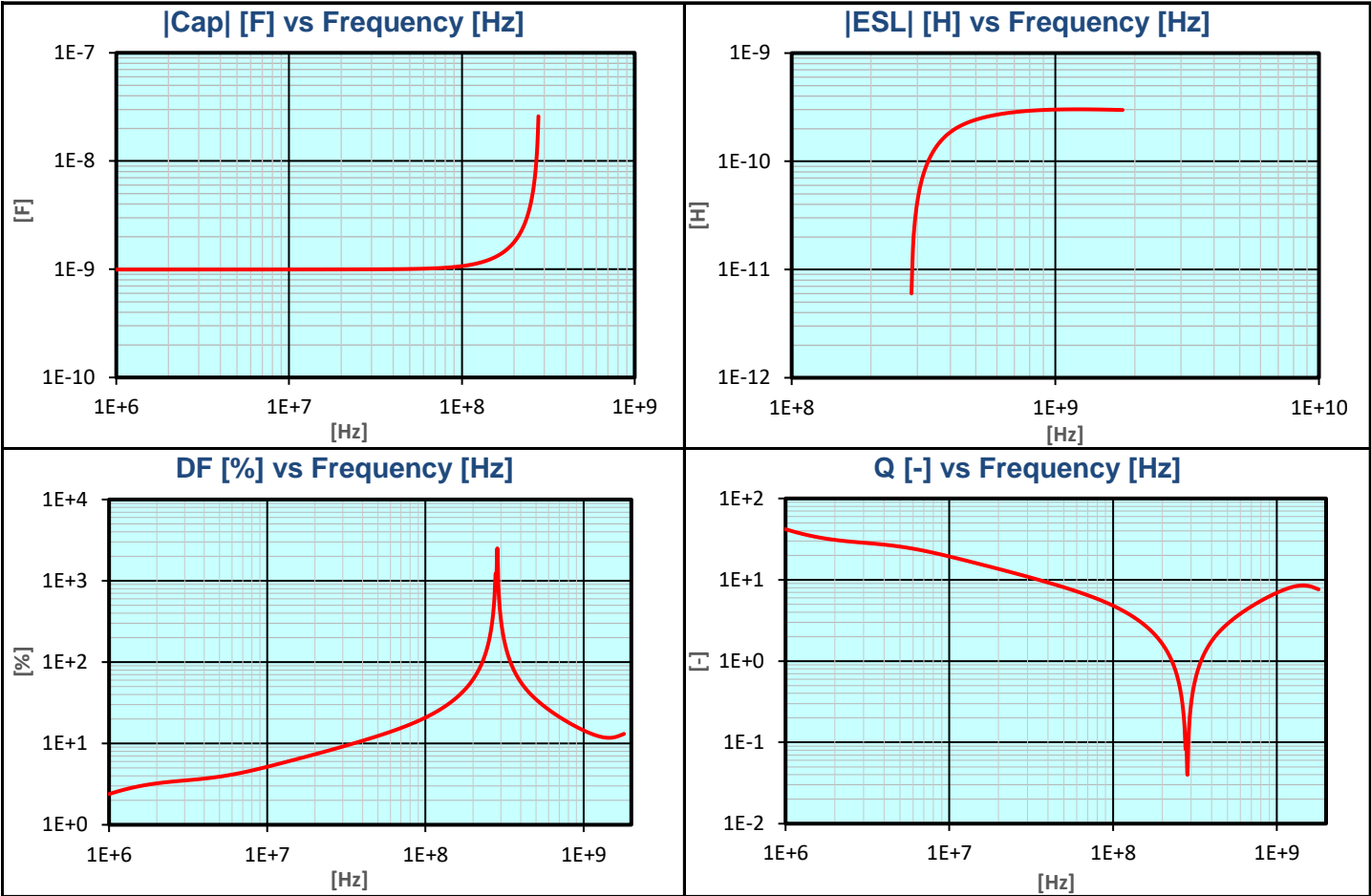
## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	0.9 to 1.1	@ 1 kHz, 1 Vrms
DF	%	12.5 max.	@ 1 kHz, 1 Vrms
IR	G $\Omega$	100 min.	@ 16 Vdc, t = 120 s
DWV	Vdc	40	@ I $\leq$ 50mA, t $\leq$ 5 s
Operating Temperature		-55°C to +125°C	
Dielectric		X7R	
AEC-Q200		Not qualified	
RoHS Compliant		Yes	
Termination		Sn	

## Electrical Characteristics



Electrical Characteristics



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## How To Order

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