

0603YC102K4Z2A Datasheet

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



(0603 16V X7R 1nF $\pm 10\%$ AEC-Q200 FLEXITERM®)

Dimensions

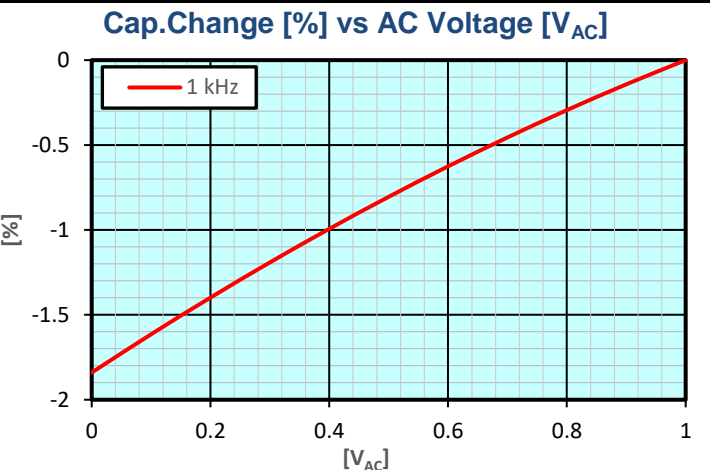
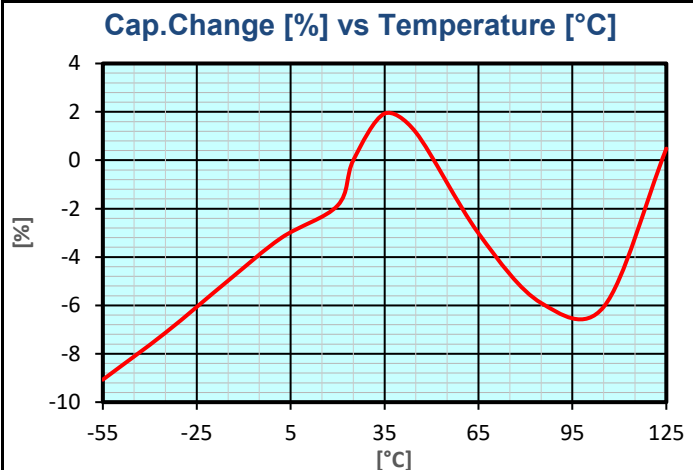
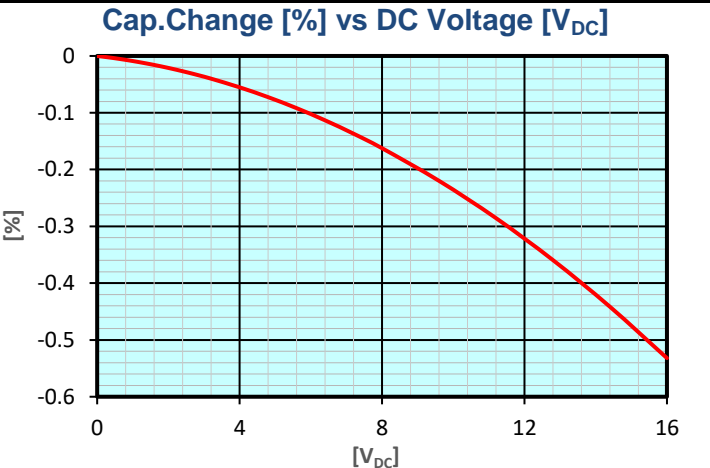
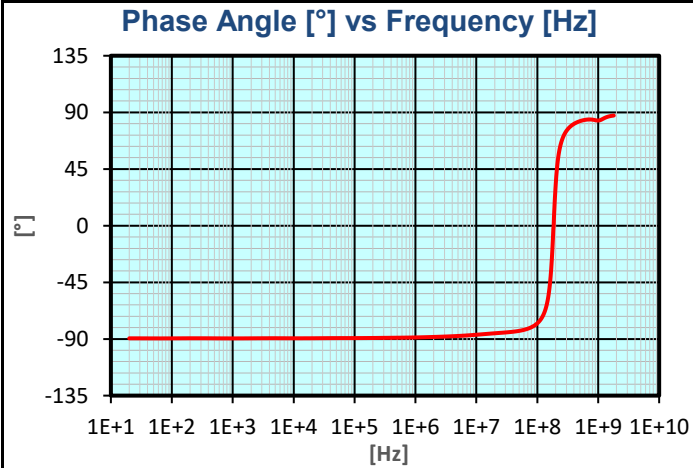
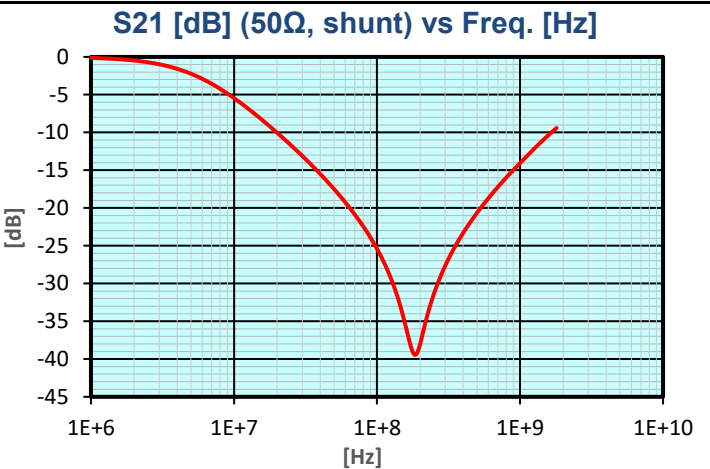
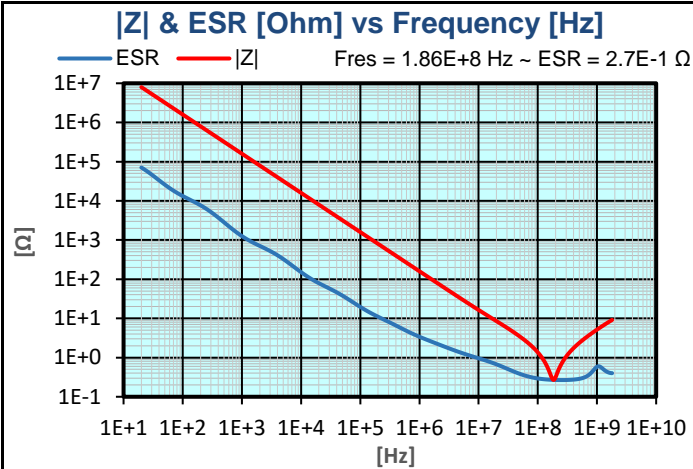


	millimetres	inches
L	1.6 ± 0.15	0.063 ± 0.006
W	0.81 ± 0.15	0.032 ± 0.006
T max.	0.9	0.035
t	0.35 ± 0.15	0.014 ± 0.006

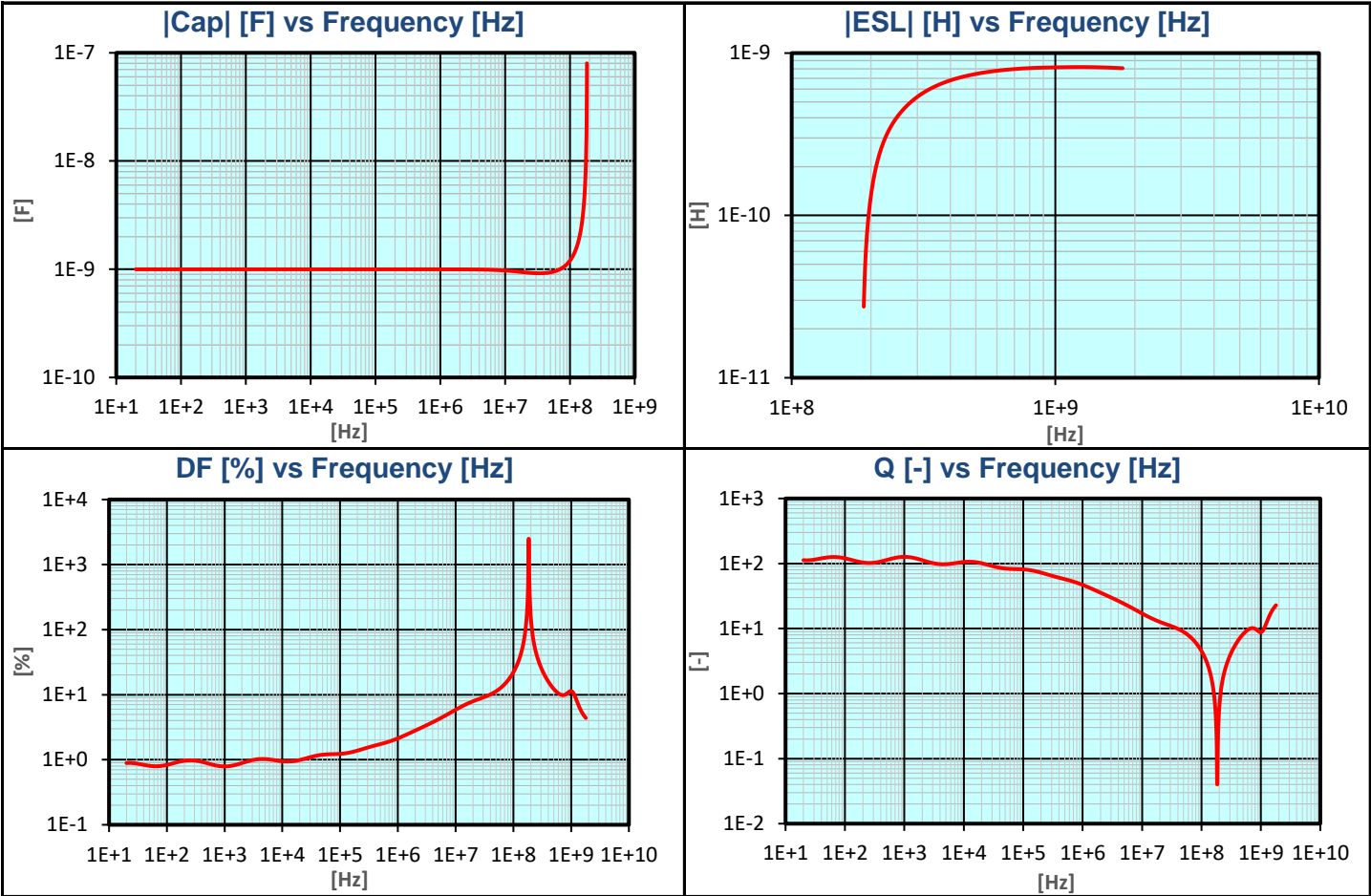
Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	0.9 to 1.1	@ 1 kHz, 1 Vrms
DF	%	3.5 max.	@ 1 kHz, 1 Vrms
IR	G Ω	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		Qualified	
RoHS Compliant		Yes	
Termination		FLEXITERM®	

Electrical Characteristics



Electrical Characteristics



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(0603 16V X7R 1nF ±10% AEC-Q200 FLEXITERM®)

How To Order

<div>0805</div> <div>Size</div> <div>(L" x W")</div>	<div>5</div> <div>Voltage</div> <div>4V = 4</div> <div>6.3V = 6</div> <div>10V = Z</div> <div>16V = Y</div> <div>25V = 3</div> <div>50V = 5</div> <div>100V = 1</div> <div>200V = 2</div> <div>500V = 7</div>	<div>C</div> <div>Dielectric</div> <div>X7R = C</div>	<div>103</div> <div>Capacitance</div> <div>Code (In pF)</div> <div>2 Sig. Digits +</div> <div>Number of Zeros</div>	<div>M</div> <div>Capacitance</div> <div>Tolerance</div> <div>J = ± 5%*</div> <div>K = ±10%</div> <div>M = ± 20%</div> <div> </div> <div>*≤1µF only,</div> <div>contact factory for</div> <div>additional values</div>	<div>A</div> <div>Failure</div> <div>Rate</div> <div>A = Not</div> <div>Applicable</div> <div>4=Automotive</div>	<div>T</div> <div>Terminations</div> <div>T = Plated Ni and Sn</div> <div>Z= FLEXITERM®**</div> <div> </div> <div>*Optional termination</div> <div> </div> <div>**See FLEXITERM®</div> <div>X7R section</div>	<div>2</div> <div>Packaging</div> <div>2 = 7" Reel</div> <div>4 = 13" Reel</div> <div> </div> <div>Contact</div> <div>Factory For</div> <div>Multiples</div>	<div>A</div> <div>Special</div> <div>Code</div> <div>A = Std.</div> <div>Product</div>
<div>NOTE: Contact factory for availability of Termination and Tolerance Options for Specific Part Numbers.</div> <div>Contact factory for non-specified capacitance values.</div>								
<div>NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are beleived 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.</div>								