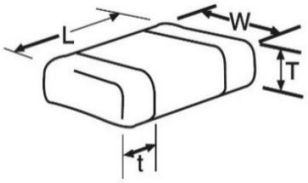
06031C223K4Z2A Datasheet

(0603 100V X7R 22nF ±10% AEC-Q200 FLEXITERM®)

Dimensions

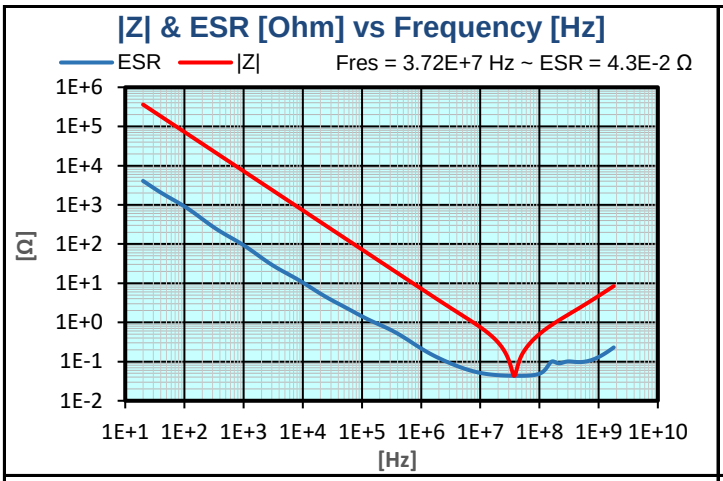


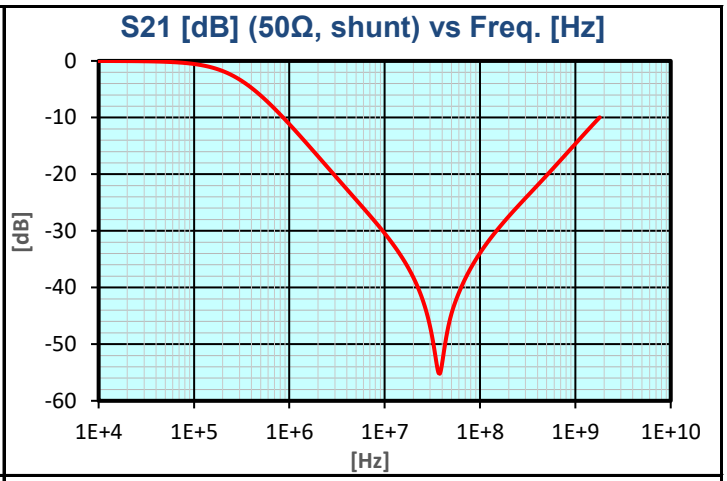
	millimetres	*inches*
L	1.6 ± 0.15	0.063 ± 0.006
W	0.81 ± 0.15	0.032 ± 0.006
T max.	0.9	0.035
t	0.35 ± 0.15	0.014 ± 0.006

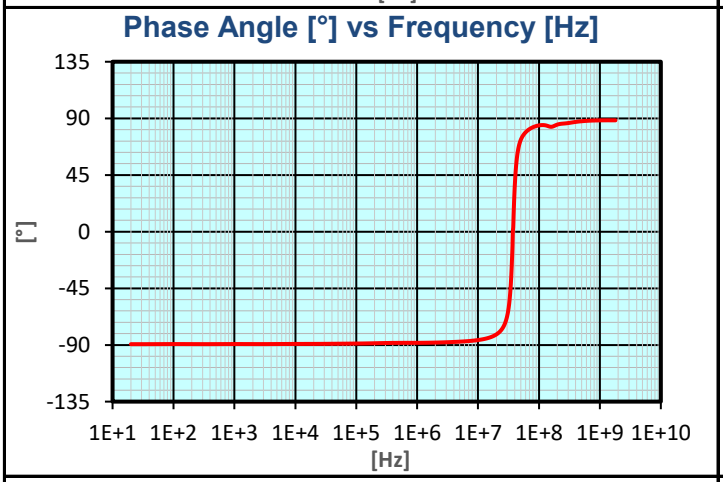
Basic Specifications

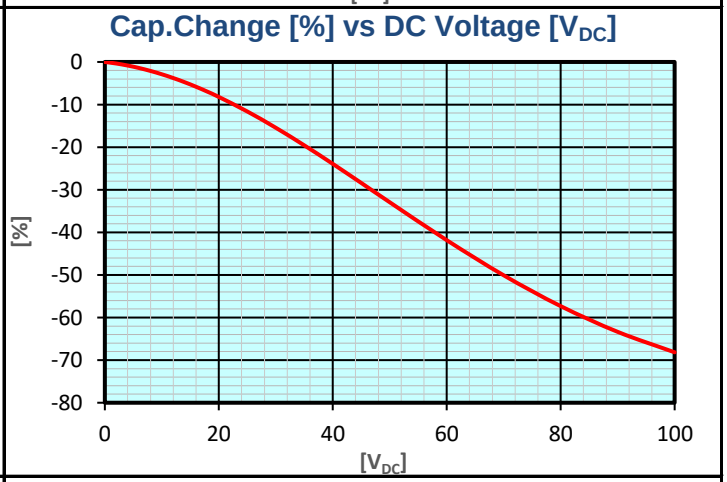
Item	*Unit*	*Spec.*	*Conditions*
Capacitance	nF	19.8 to 24.2	@ 1 kHz, 1 Vrms
DF	%	2.5 max.	@ 1 kHz, 1 Vrms
IR	GΩ	45.4 min.	@ 100 Vdc, t = 120 s
DWV	Vdc	250	@ I ≤ 50mA, t ≤ 5 s
Operating Temperature		-55°C to +125°C	
Dielectric		X7R	
AEC-Q200		Qualified	
RoHS Compliant		Yes	
Termination		FLEXITERM®	

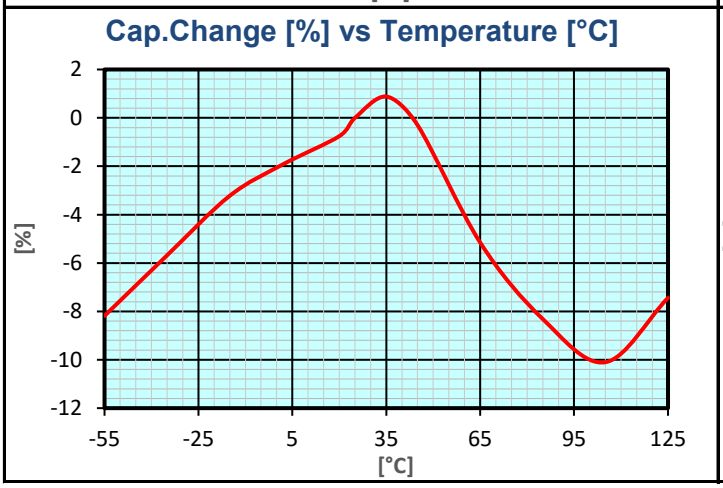
Electrical Characteristics

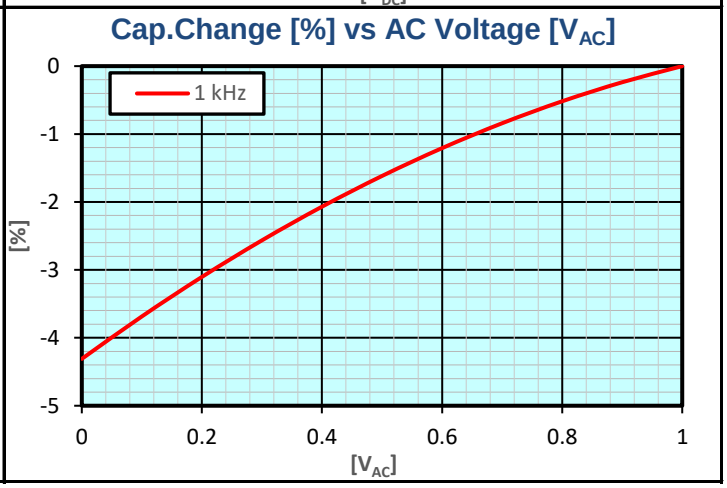






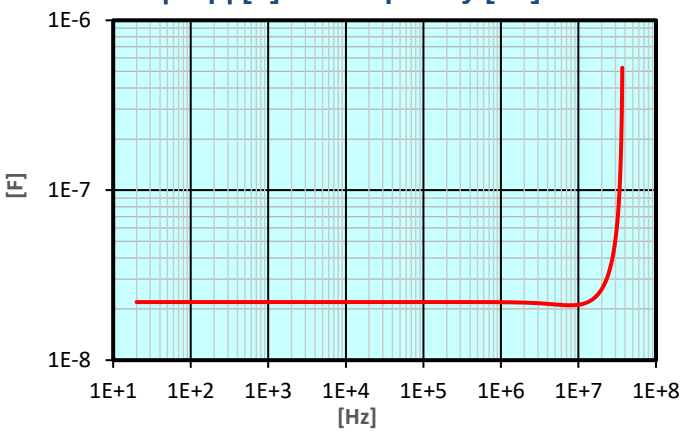




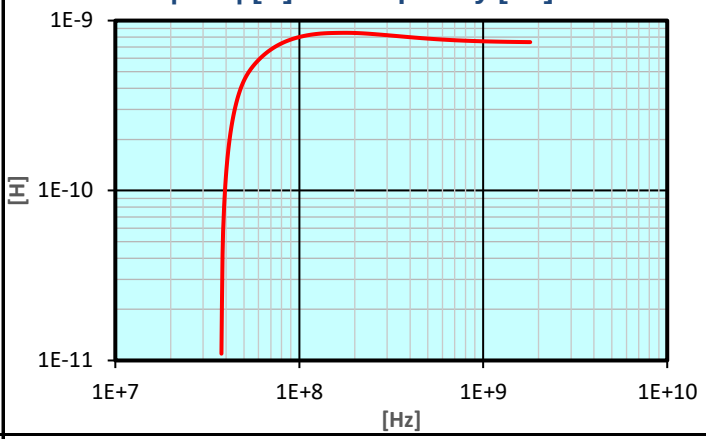


Electrical Characteristics

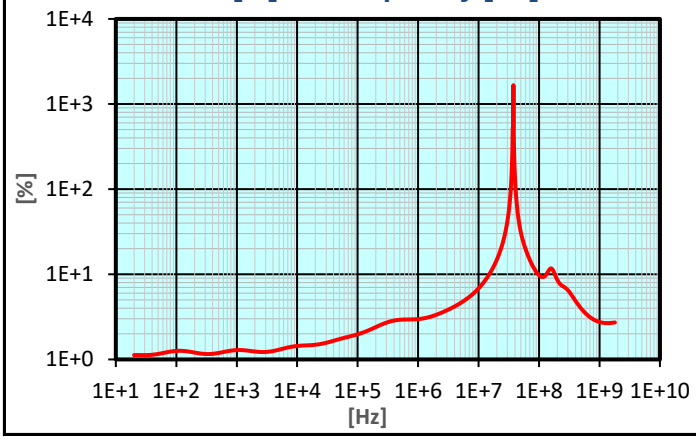
|Cap| [F] vs Frequency [Hz]



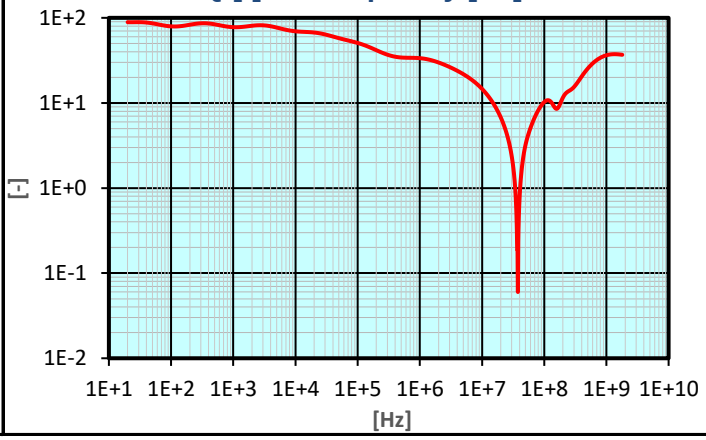
|ESL| [H] vs Frequency [Hz]



DF [%] vs Frequency [Hz]



Q [-] vs Frequency [Hz]



06031C223K4Z2A Datasheet

(0603 100V X7R 22nF ±10% AEC-Q200 FLEXITERM®)

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 **Contact Factory For Multiples**	**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.