

0402YD105KAT2A Datasheet

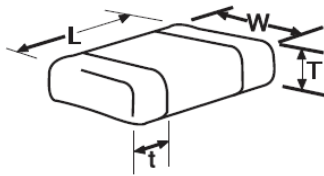
(0402 16V X5R 1uF ±10%)

To download data and
simulation models visit:

SpiCAT
ONLINE TOOL

KYOCERA
AVX

Dimensions

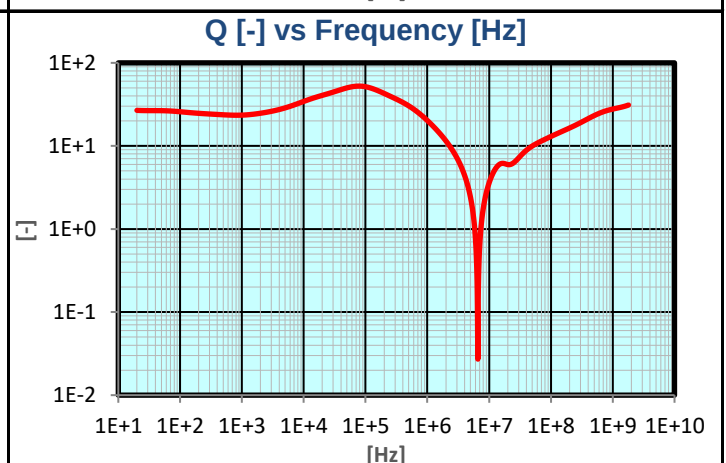
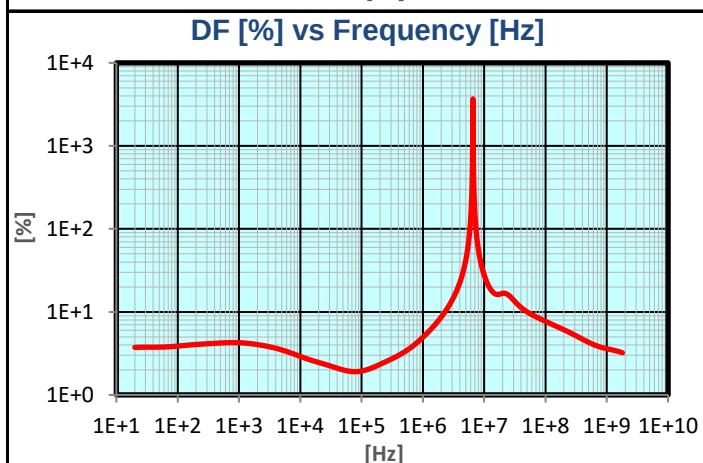
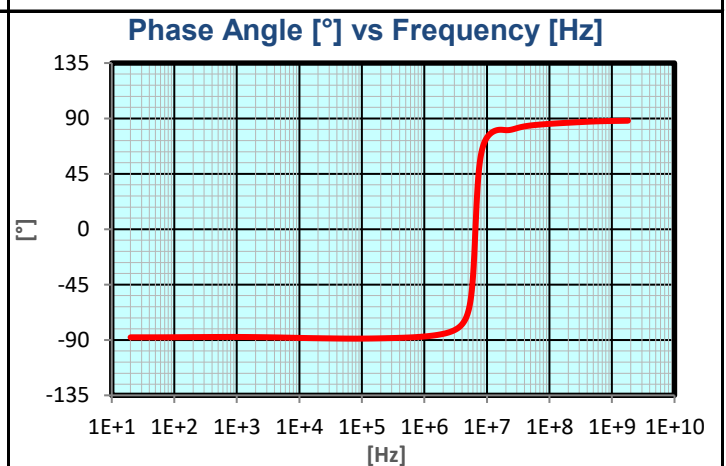
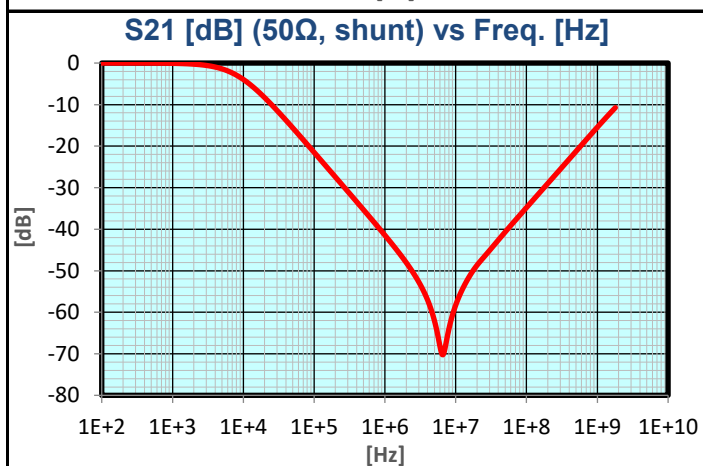
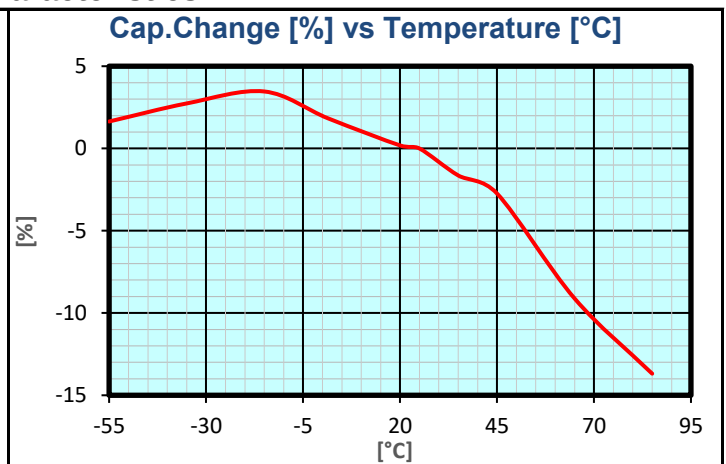
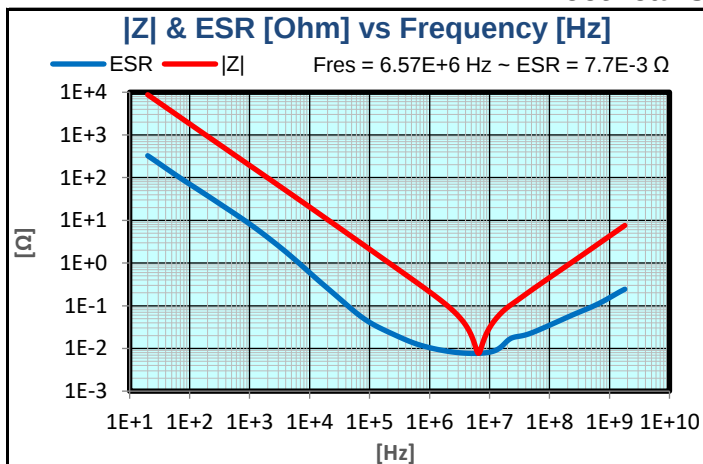


	millimetres (inches)
L	1.00 ± 0.20 (0.040 ± 0.008)
W	0.50 ± 0.20 (0.020 ± 0.008)
T max.	0.56 (0.022)
t	0.25 ± 0.15 (0.010 ± 0.006)

Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	uF	0.9 to 1.1	@ 1 kHz, 1 Vrms
DF	%	12.5 max.	@ 1 kHz, 1 Vrms
IR	MΩ	500 min.	@ 16 Vdc
DWV	Vdc	40	@ I ≤ 50mA, t ≤ 5 s
Operating Temperature		-55 °C to +85 °C	
Dielectric		X5R	
AEC-Q200		Not qualified	
RoHS Compliant		Yes	
Termination		Sn	

Electrical Characteristics

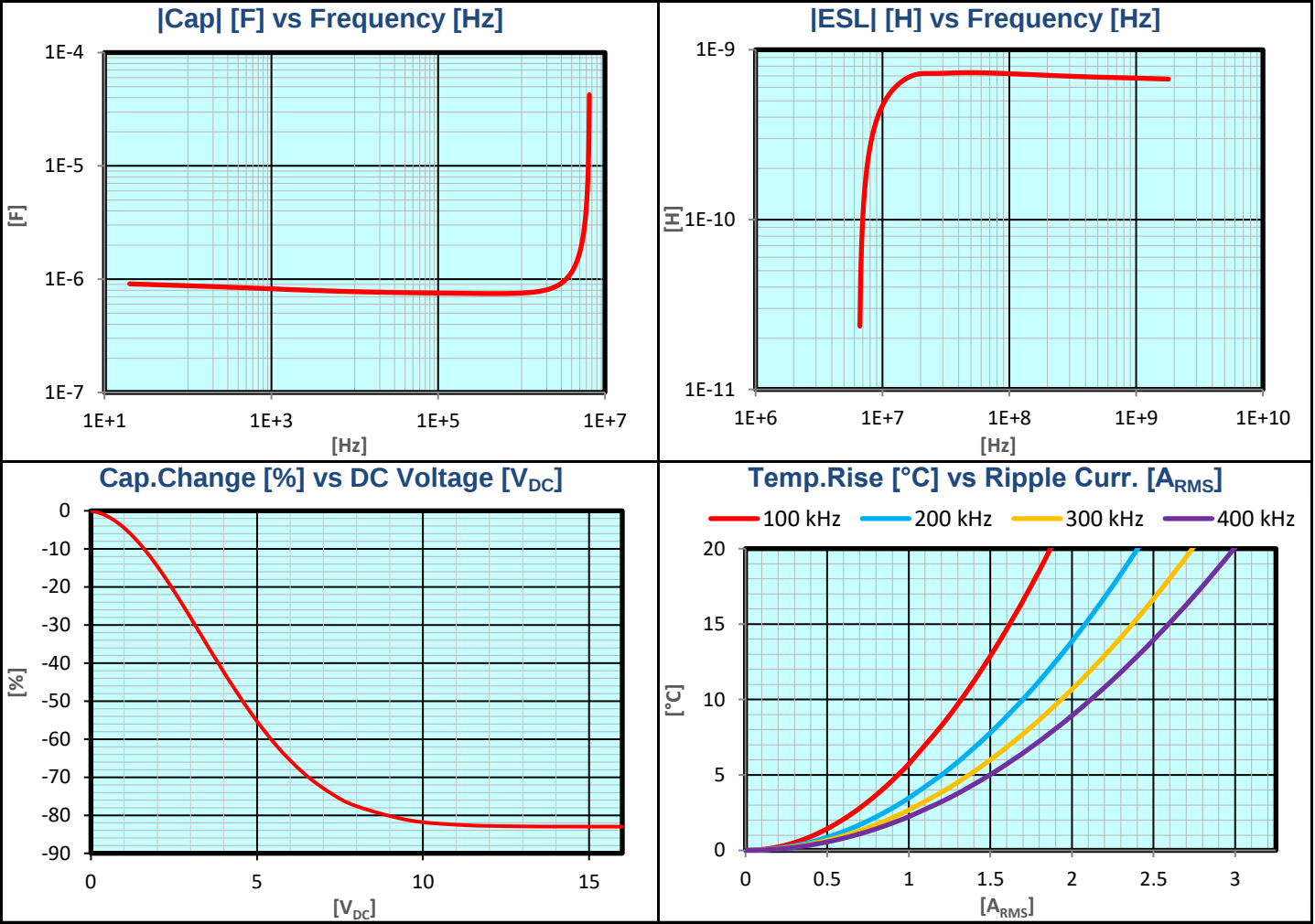


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(0402 16V X5R 1uF ±10%)



Electrical Characteristics



How To Order

0805	5	D	103	K	A	T	2	A
Case Size	Voltage	Dielectric	Capacitance Code	Capacitance Tolerance	Failure Rate	Termination	Packaging/ Marking	Special Code
0101*	4 = 4 V	D = X5R	(2 significant digits + no of zeros)	K = ±10 % M = ±20 %	A = Standard	T = Plated Ni/Sn	2 = 7" Reel 4 = 13" Reel U = 4mm TR (01005)	A = Standard
0201	6 = 6.3 V							
0402	Z = 10 V							
0603	Y = 16 V		Examples:					
0805	3 = 25 V		100 = 10 pF					
1206	D = 35 V		102 = 1000 pF					
1210	5 = 50 V		224 = 220000 pF					
1812	1 = 100 V		105 = 1µF					

*EIA 01005

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.