

0402YA270JAT2A Datasheet

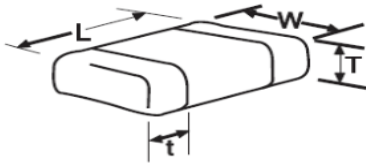
(0402 16V C0G 27pF ±5%)

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SpiCAT
ONLINE TOOL



Dimensions

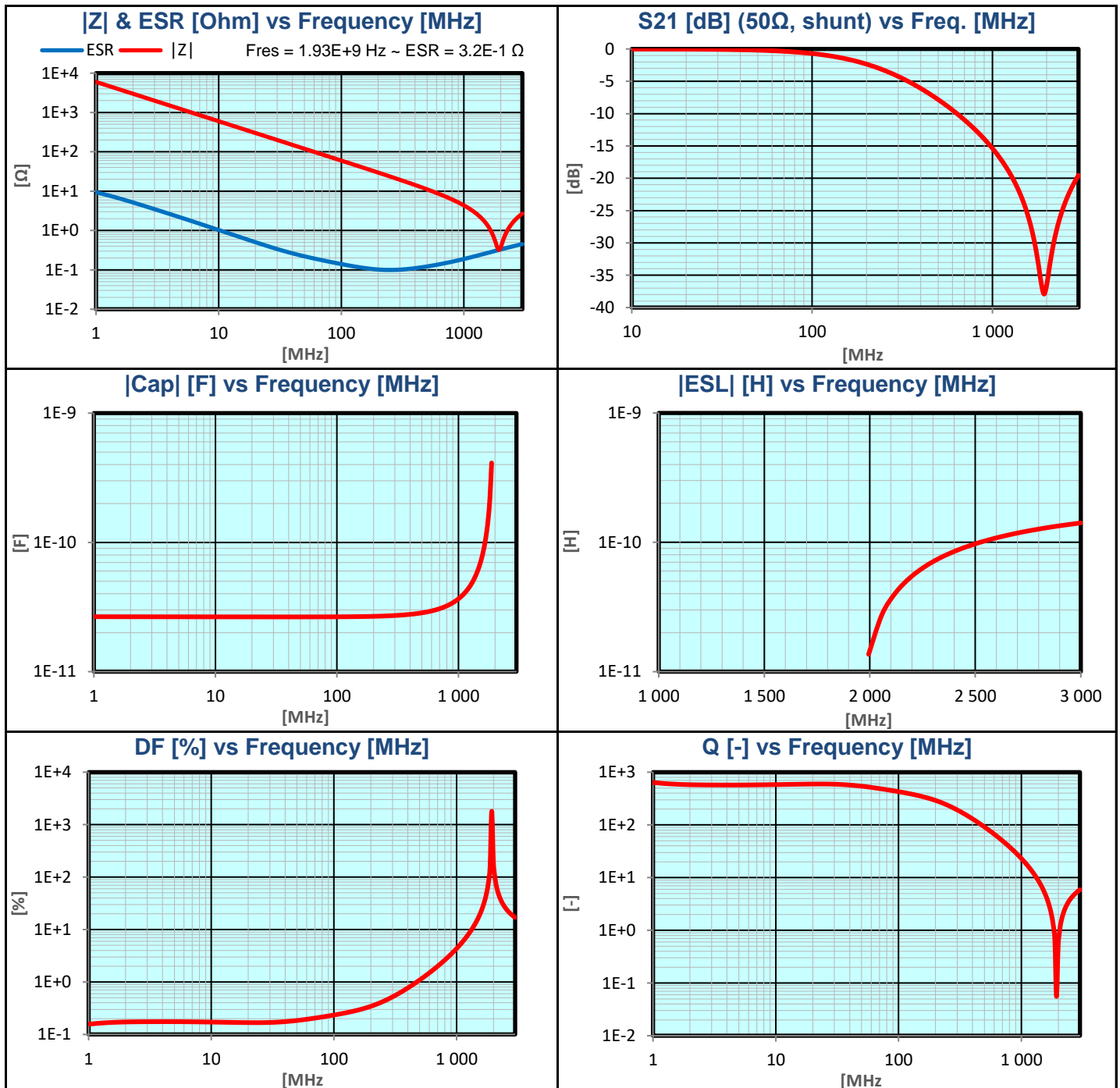


	millimetres (inches)
L	1.00 ± 0.10 (0.040 ± 0.004)
W	0.50 ± 0.10 (0.020 ± 0.004)
T max.	0.56 (0.022)
t	0.25 ± 0.15 (0.010 ± 0.006)

Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	pF	25.65 to 28.35	@ 1 MHz, 1 Vrms
DF	%	0.106 max.	@ 1 MHz, 1 Vrms
IR	GΩ	100	@ 16 Vdc, t = 60 ± 5 s
DWV	Vdc	40	@ I ≤ 50mA, t ≤ 5 s
Op. Temperature		-55 °C to +125 °C	
Dielectric		C0G (NP0)	
AEC-Q200		Not qualified	
RoHS Compliant		Yes	
Termination		Sn	

Electrical Characteristics

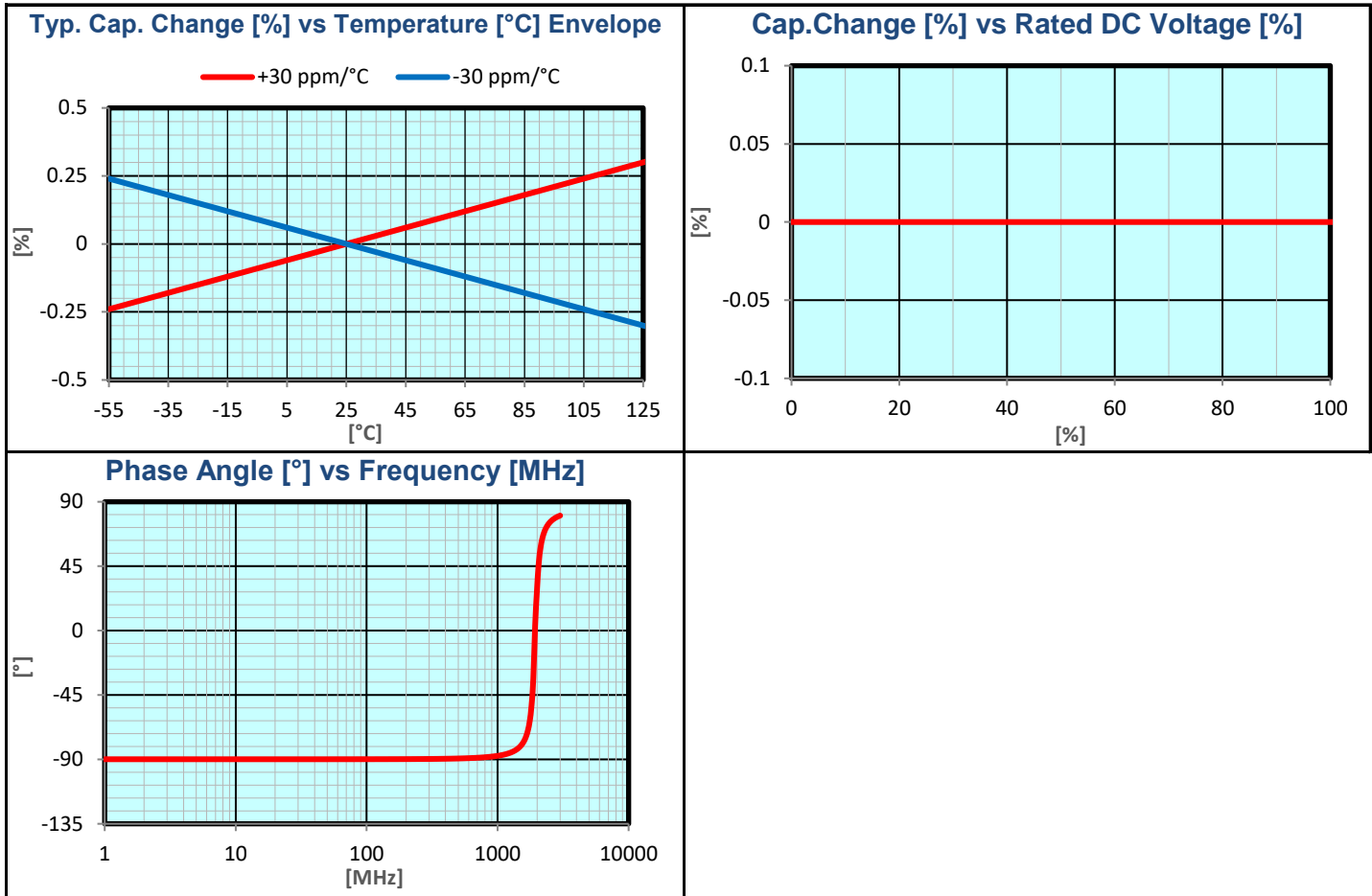


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(0402 16V C0G 27pF ±5%)



Electrical Characteristics



How To Order

0805	5	A	101	J	4	T	2	A
Case Size	Voltage	Dielectric	Capacitance Code	Capacitance Tolerance	Failure Rate	Termination	Packaging/ Marking	Special Code
0402	Y = 16V	A = C0G (NP0)	(2 significant digits	B = ± 0.1 pF (< 10 pF)	A = Standard	T = Plated Ni/Sn	2 = 7" Reel	A = Standard
0603	3 = 25V	Q = C0G (NP0)	+ no of zeros)	C = ± 0.25 pF (< 10 pF)	4 = Automotive	U = Conductive Epo*	4 = 13" Reel	
0805	5 = 50V	Max. Temp. = 150°C		D = ± 0.5 pF (< 10 pF)			U = 4mm TR (01005)**	
1206	1 = 100V			F = ± 1 % (≥ 10 pF)		Contact Factory For 1 = Pd/Ag** 7 = Gold Plated** NOT RoHS COMPLIANT		
	2 = 200V			G = ± 2 % (≥ 10 pF)				
	V = 250V			J = ± 5%				
	7 = 500V			K = ± 10%				
				M = ± 20%				

Note:
 *Automotive parts only
 **Standard parts only
 0402 case size available in T termination only.

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.