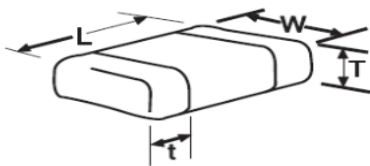


# 06035A103JAT2A Datasheet

(0603 50V COG 10nF ±5%)



## Dimensions



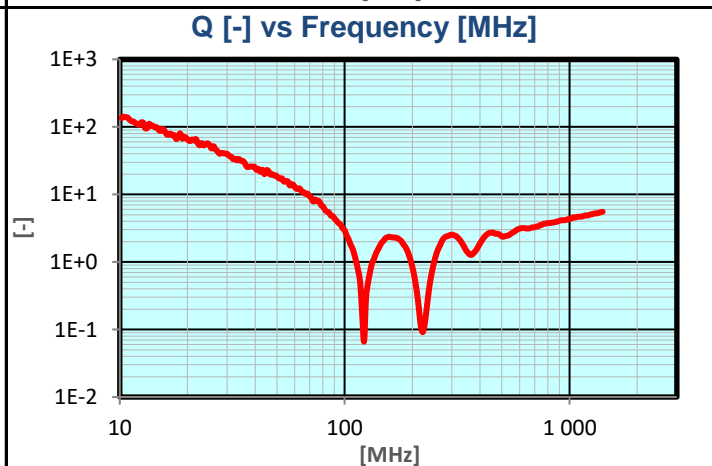
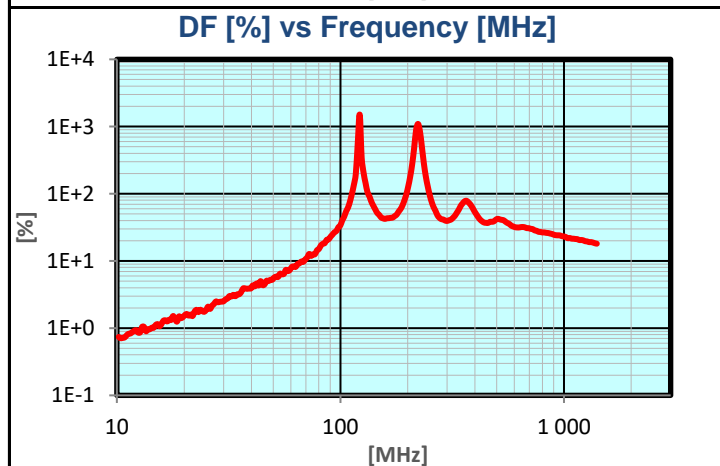
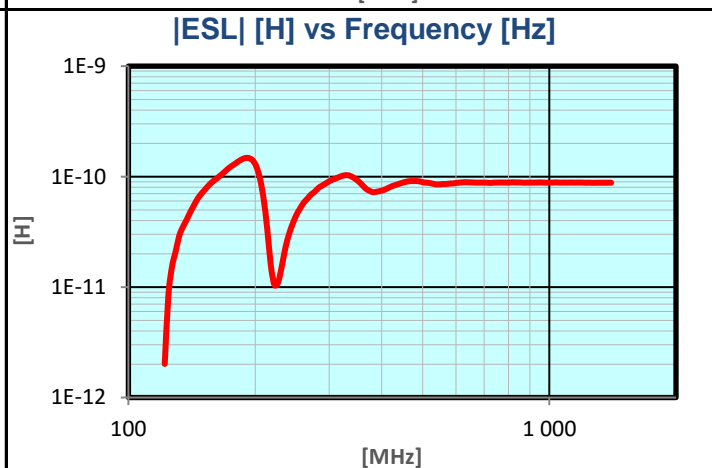
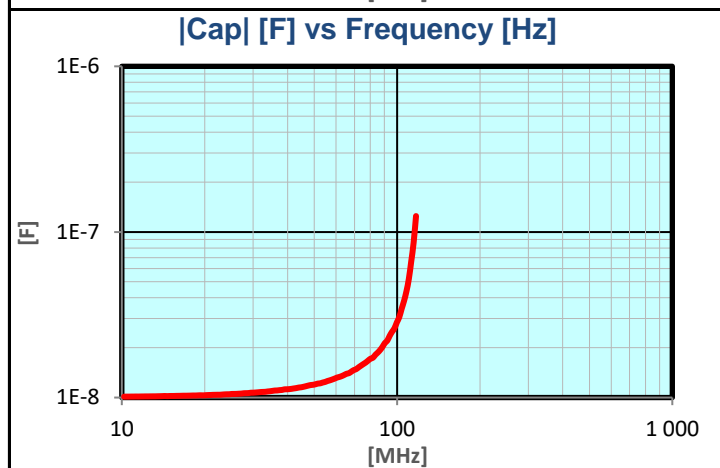
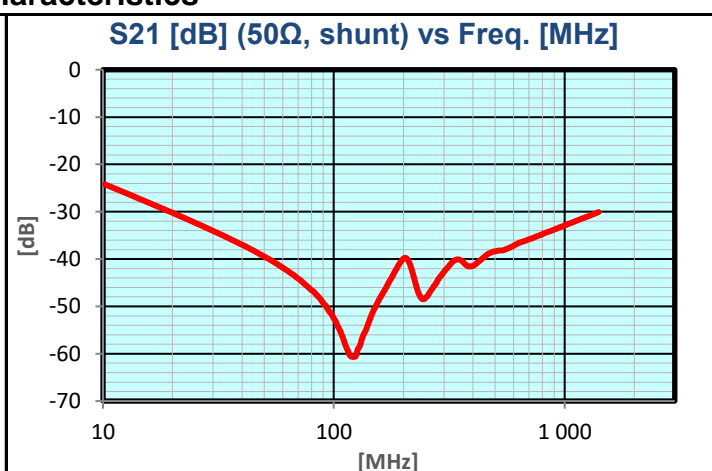
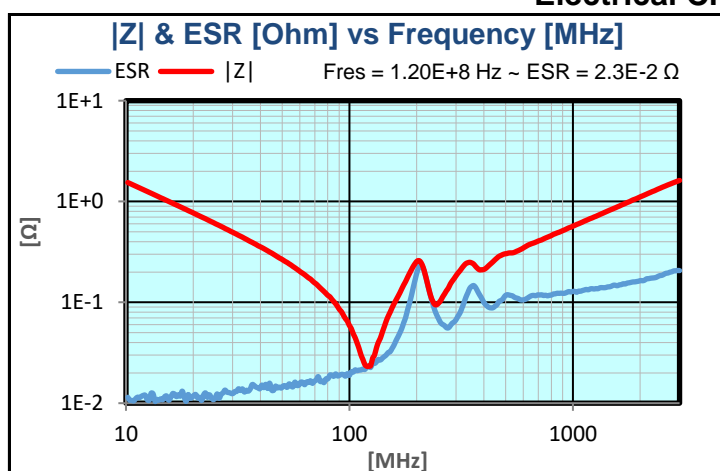
	millimetres (inches)
L	1.60 ± 0.15 (0.063 ± 0.006)
W	0.81 ± 0.15 (0.032 ± 0.006)
T max.	0.9 (0.035)
t	0.35 ± 0.15 (0.014 ± 0.006)

## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	9.5 to 10.5	@ 1 kHz, 1 Vrms
DF	%	0.1 max.	@ 1 kHz, 1 Vrms
IR	GΩ	100	@ 50 Vdc, t = 60 ± 5 s
DWV	Vdc	125	@ I ≤ 50mA, t ≤ 5 s

Op. Temperature	-55 °C to +125 °C
Dielectric	COG (NP0)
AEC-Q200	Not qualified
RoHS Compliant	Yes

## Electrical Characteristics

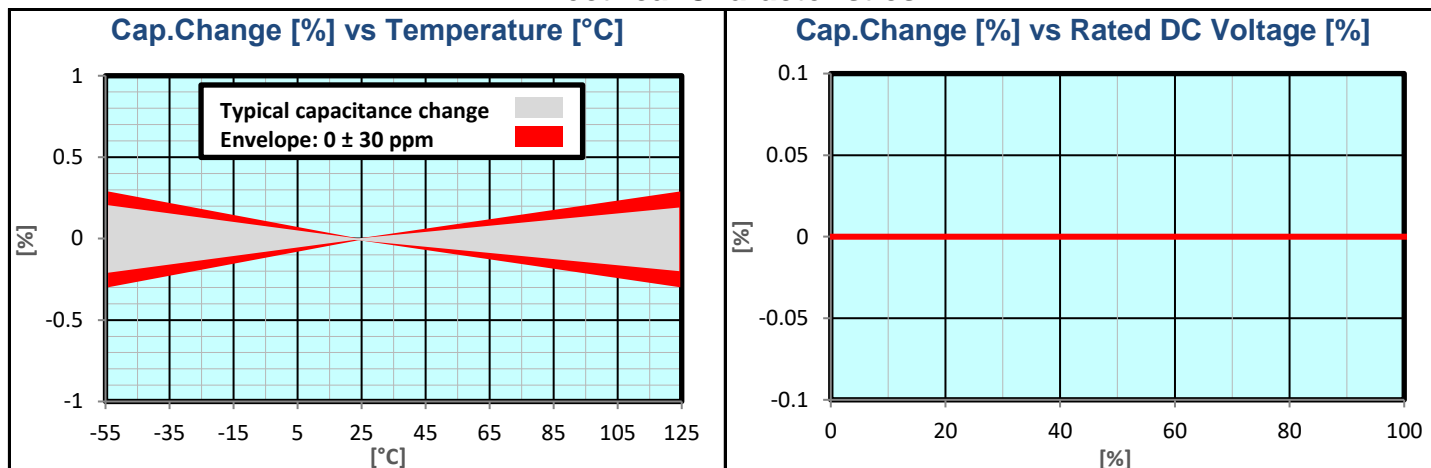


# 06035A103JAT2A Datasheet

(0603 50V COG 10nF ±5%)



## Electrical Characteristics



## How To Order

### Standard P/N:

0805	5	A	101	J	A	T	2	A
AVX Style	Voltage	Dielectric	Capacitance Code	Capacitance Tolerance	Failure Rate	Termination	Packaging/ Marking	Special Code
0101	16V = Y	A = COG (NP0)	(2 significant digits + no of zeros)	B = $\pm 0.1$ pF (< 10 pF)	A = Standard	T = Plated Ni/Sn	2 = 7" Reel 4 = 13" Reel U = 4 mm TR (01005)	A = Standard
0201	25V = 3		or for <10pF	C = $\pm 0.25$ pF (< 10 pF)				
0402	50V = 5		replace decimal point by R	D = $\pm 0.5$ pF (< 10 pF)				
0603	100V = 1			F = $\pm 1$ % ( $\geq 10$ pF)				
0805	200V = 2			G = $\pm 2$ % ( $\geq 10$ pF)				
1206	500V = 7			J = $\pm 5$ %				
1210			Examples:	K = $\pm 10$ %				
1812			0R5 = 0.5 pF					
1825			100 = 10 pF					
2220			101 = 100 pF					
2225			102 = 1000 pF 223 = 22000 pF					

### Automotive P/N:

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 = COG (NP0)	(2 significant digits + no of zeros)	F = $\pm 1$ % ( $\geq 10$ pF)	4 = Automotive	T = Plated Ni/Sn	2 = 7" Reel 4 = 13" Reel	A = Standard
0603	3 = 25V			G = $\pm 2$ % ( $\geq 10$ pF)				
0805	5 = 50V			J = $\pm 5$ %				
1206	1 = 100V 2 = 200V V = 250V 7 = 500V			K = $\pm 10$ % M = $\pm 20$ %				

**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.