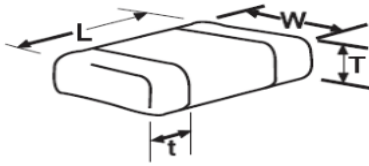


# 04025A0R1BAT2A Datasheet

(0402 50V C0G 0.1pF ±0.1 pF)



## Dimensions



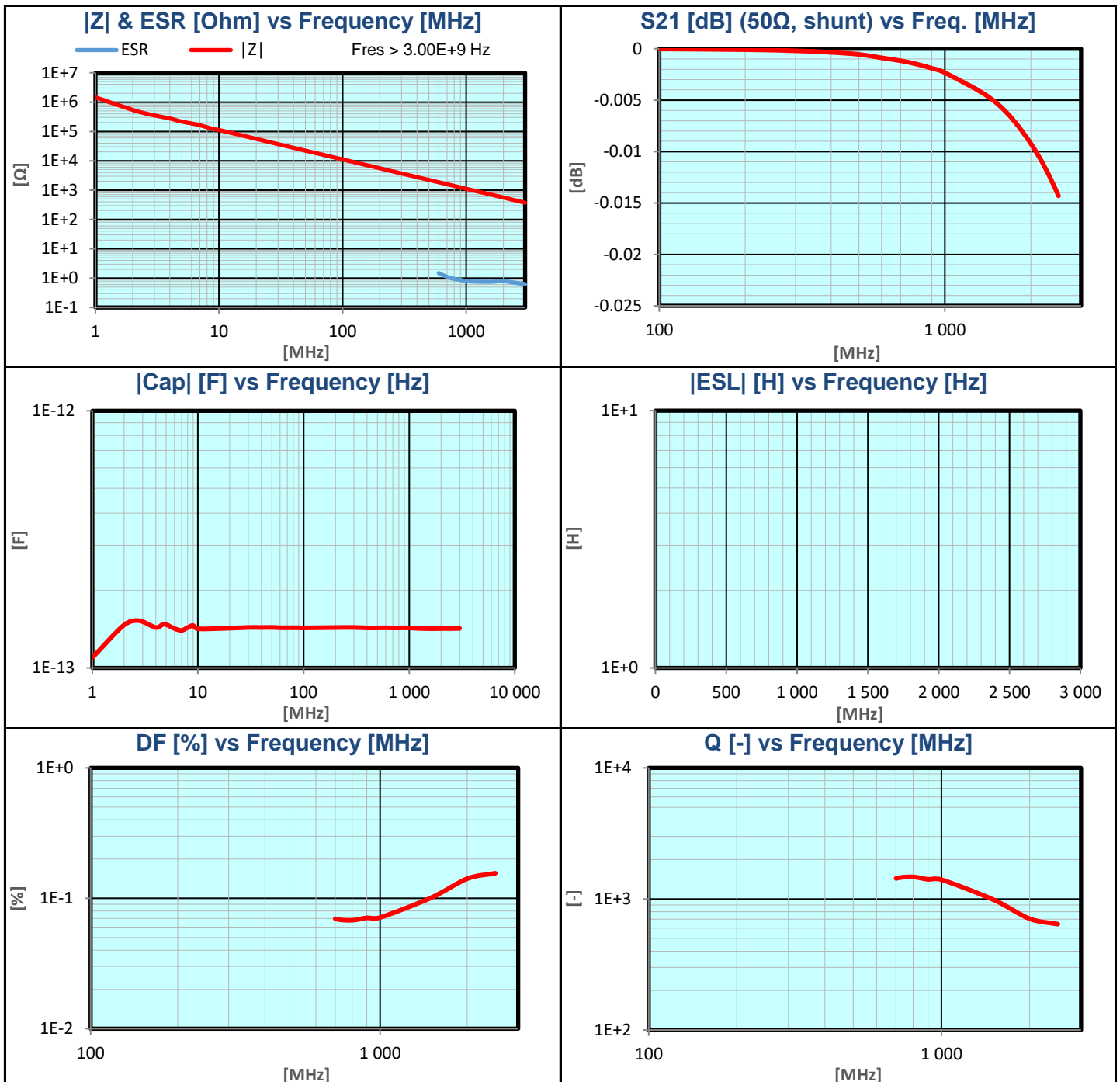
	millimetres (inches)
L	1.00 ± 0.10 (0.040 ± 0.004)
W	0.50 ± 0.10 (0.020 ± 0.004)
T max.	0.56 (0.022)
t	0.25 ± 0.15 (0.010 ± 0.006)

## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	pF	0 to 0.2	@ 1 MHz, 1 Vrms
DF	%	0.249 max.	@ 1 MHz, 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	C0G (NP0)
AEC-Q200	Not qualified
RoHS Compliant	Yes

## Electrical Characteristics

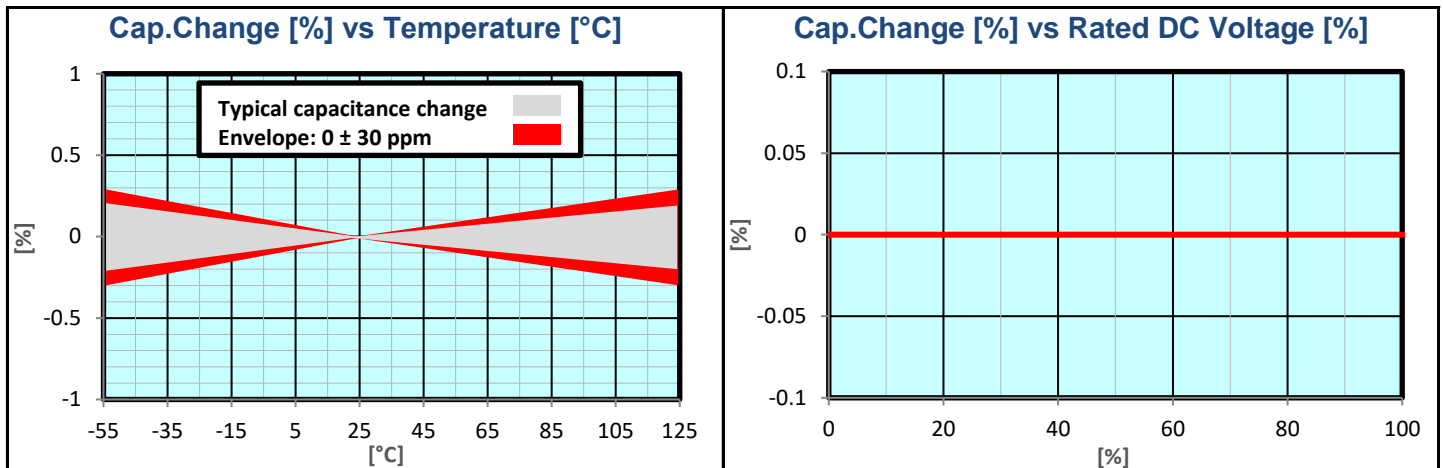


# 04025A0R1BAT2A Datasheet

(0402 50V COG 0.1pF ±0.1 pF)



## 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 = ± 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 replace decimal point by R	C = ± 0.25 pF (< 10 pF)				
0402	50V = 5			D = ± 0.5 pF (< 10 pF)				
0603	100V = 1			F = ± 1 % (≥ 10 pF)				
0805	200V = 2			G = ± 2 % (≥ 10 pF)				
1206	500V = 7			J = ± 5%				
1210			Examples:	K = ± 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 = ± 1 % (≥ 10 pF)	4 = Automotive	T = Plated Ni/Sn	2 = 7" Reel 4 = 13" Reel	A = Standard
0603	3 = 25V			G = ± 2 % (≥ 10 pF)				
0805	5 = 50V			J = ± 5%				
1206	1 = 100V			K = ± 10%				
	2 = 200V			M = ± 20%				
	V = 250V							
	7 = 500V							

**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.