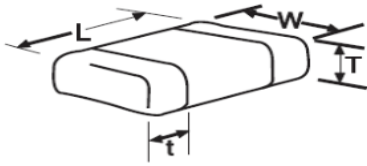


# KGM21BCG1H101JT Datasheet



(0805 50V COG 100pF ±5%)

## Dimensions

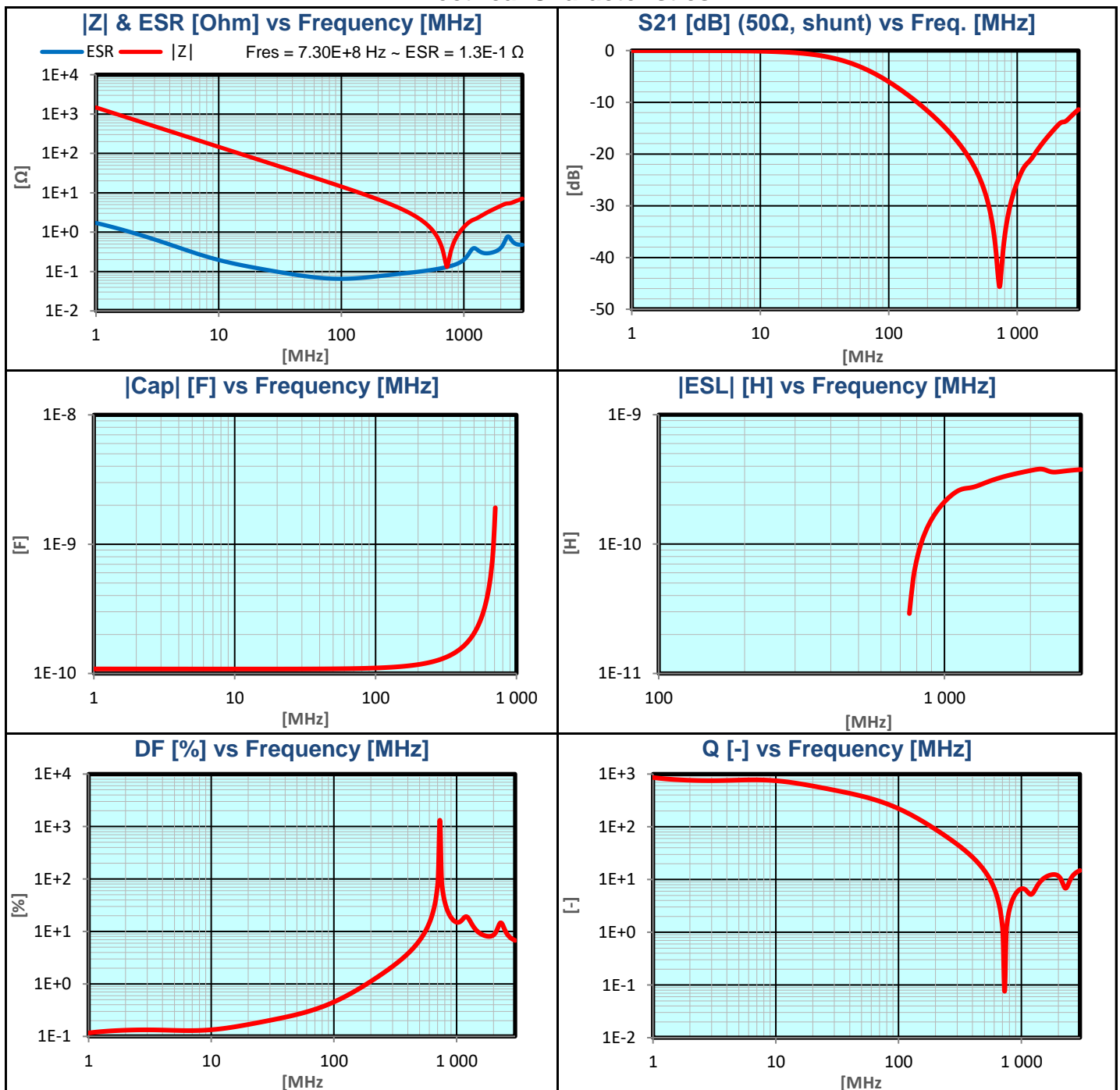


	millimetres (inches)
L	2.01 ± 0.20 (0.079 ± 0.008)
W	1.25 ± 0.20 (0.049 ± 0.008)
T max.	0.94 (0.037)
t	0.50 ± 0.25 (0.020 ± 0.010)

## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	pF	95 to 105	@ 1 MHz, 1 Vrms
DF	%	0.1 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		COG	
Product Level		General	
RoHS Compliant		Yes	
Termination		Sn	

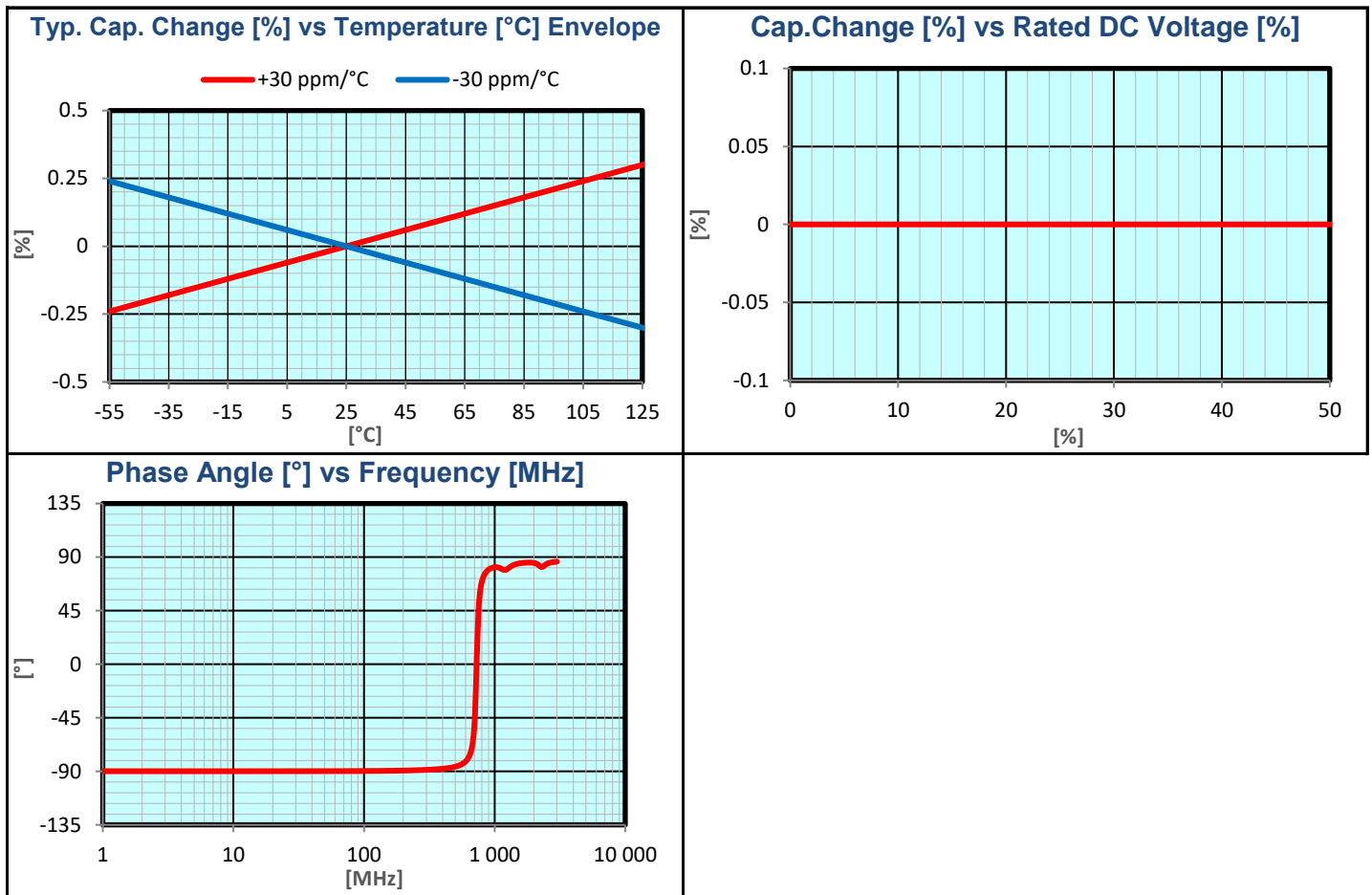
## Electrical Characteristics



# KGM21BCG1H101JT Datasheet

(0805 50V COG 100pF ±5%)

## Electrical Characteristics



## Part Number Information

K	G	M	21	C	R5	1E	103	K	T	###
<b>Symbol:</b> KAVX	<b>Product Level:</b> G General A Automotive (AEC-Q200) M Medical	<b>Requirement:</b> M Standard U Hi-Q (Special function) E ESD (Special function) L Low inductance reverse Geometry A Low Inductance LGA F Flexiterm (Special function/structure) S Flexisafe (Special function/structure) G Gold Termination (Special Structure) C IDC (Special structure) Q Ultra Low ESR	<b>Size:</b> Code: EIA: 02 01005 03 0201 05 0402 15 0603 21 0805 31 1206 32 1210 42 1808 43 1812 44 1825 55 2220 56 2225 91 3640	<b>Thickness:</b> See catalog for list of codes	<b>Dielectric:</b> CG COG R5 X5R S6 X6S T6 X6T R7 X7R S7 X7S T7 X7T R8 X8R L8 X8L G8 X8G V5 Y5V	<b>Voltage:</b> Multiplier: Base: 0 1x A 1 1 10x N 1.5 2 100x D 2 3 1000x E 2.5 U 3 V 3.5 G 4 H 5 J 6.3	<b>Capacitance:</b> (2 significant digits + no of zeros)  <b>Examples:</b> 100 = 10 pF 102 = 1000 pF 224 = 220 nF 105 = 1 μF	<b>Tolerance:</b> A ± 0.05 pF B ± 0.1 pF C ± 0.25 pF D ± 0.5 pF F ± 1 % G ± 2 % J ± 5 % K ± 10 % M ± 20 %	<b>Packing:</b> H T U Y V  M L N K S  X	<b>Optional:</b> See catalog for optional codes  Φ 180 (7 inch)*  Φ 330 (13 inch)*  Waffle pack

**Note:**  
\* See catalog for more information.

**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.