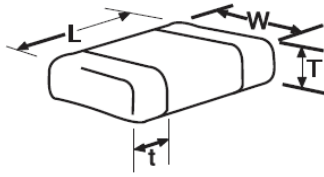


# KGM05BR51A475MH Datasheet

(0402 10 V X5R 4.7uF ±20%)

## Dimensions

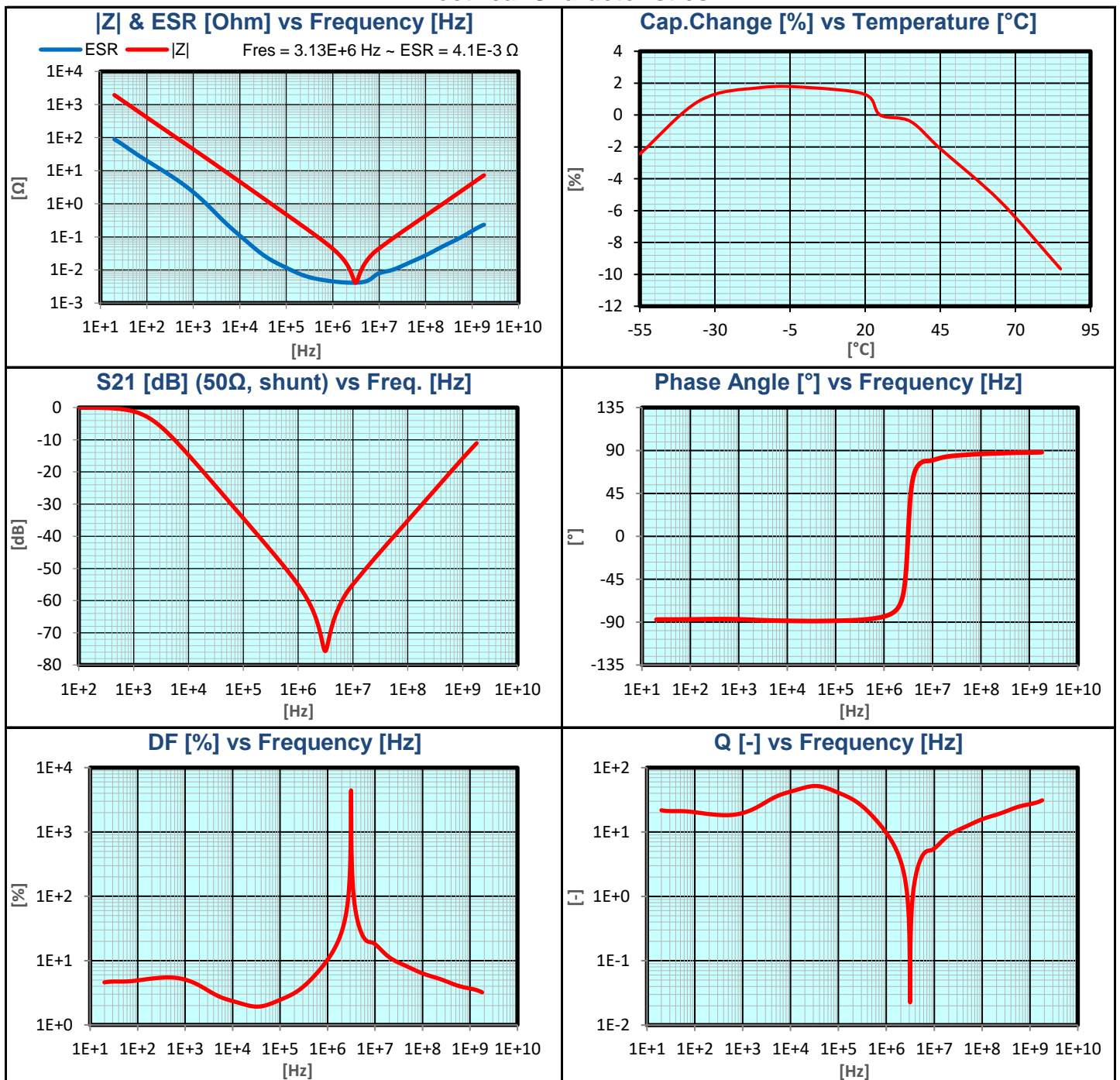


	millimetres (inches)
L	1.00 ± 0.20 (0.040 ± 0.008)
W	0.50 ± 0.20 (0.020 ± 0.008)
T max.	0.65 (0.026)
t	0.25 ± 0.15 (0.010 ± 0.006)

## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	uF	3.76 to 5.64	@ 1 kHz, 1 Vrms
DF	%	12.5 max.	@ 1 kHz, 1 Vrms
IR	MΩ	106.3 min.	@ 10 Vdc
DWV	Vdc	25	@ I ≤ 50mA, t ≤ 5 s
Operating Temperature		-55 °C to +85 °C	
Dielectric		X5R	
Product Level		General	
RoHS Compliant		Yes	
Termination		Sn	

## Electrical Characteristics

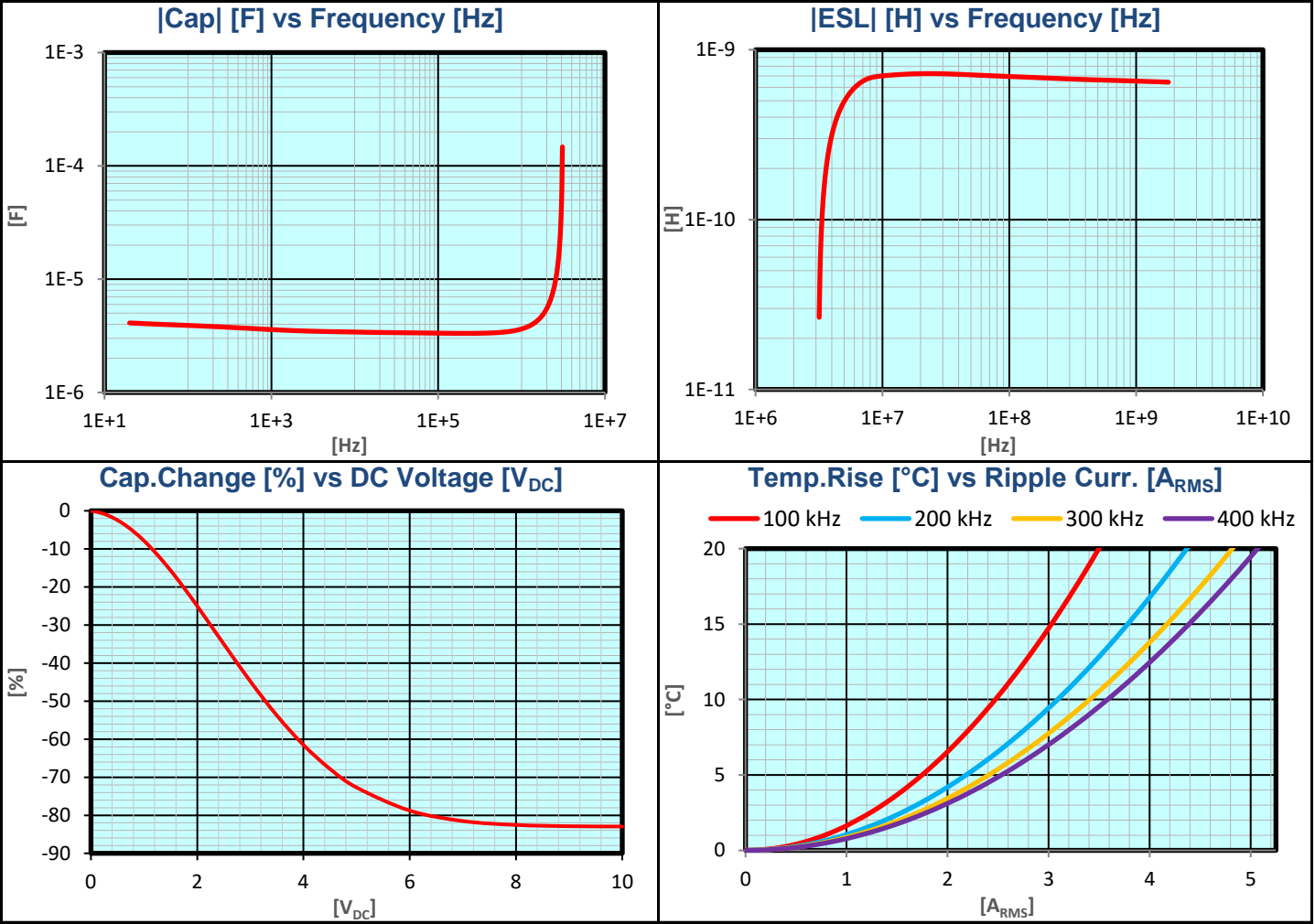


# KGM05BR51A475MH Datasheet



(0402 10 V X5R 4.7uF ±20%)

## Electrical Characteristics



## How To Order

K	G	M	21	C	R5	1E	103	K	T	###
Symbol:	Product Level:	Requirement:	Size:	Thickness:	Dielectric:	Voltage:	Capacitance:	Tolerance:	Packing:	Optional:
KAVX	G General	M Standard	Code: EIA:	See catalog	CG C0G	Multiplier: Base:	(2 significant digits + no of zeros)	A ± 0.05 pF	H	See catalog for optional codes
	A Automotive (AEC-Q200)	U Hi-Q (Special function)	02 01005	for list of codes	R5 X5R	0 1x		B ± 0.1 pF	T	
	M Medical	E ESD (Special function)	03 0201		S6 X6S	1 10x		C ± 0.25 pF	U	Φ 180 (7 inch)*
		L Low inductance reverse Geometry	05 0402		T6 X6T	2 100x		D ± 0.5 pF	Y	
		A Low Inductance LGA	15 0603		R7 X7R	3 1000x		F ± 1 %	V	
		F Flexitem (Special function/structure)	21 0805		S7 X7S		Examples:	G ± 2 %		
		S Flexisafe (Special function/structure)	31 1206		T7 X7T		100 = 10 pF	J ± 5 %	M	
		G Gold Termination (Special Structure)	32 1210		R8 X8R		102 = 1000 pF	K ± 10 %	L	Φ 330 (13 inch)*
		C IDC (Special structure)	42 1808		L8 X8L		224 = 220 nF	M ± 20 %	N	
		Q Ultra Low ESR	43 1812		G8 X8G		105 = 1 μF		K	
			44 1825		V5 Y5V				S	
			55 2220			Example:			X	Waffle pack
			56 2225			1E = 25V (10 x 2.5)				
			91 3640							

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.