

KGM05AR71H222KH Datasheet

(0402 50 V X7R 2.2nF ±10%)

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Dimensions

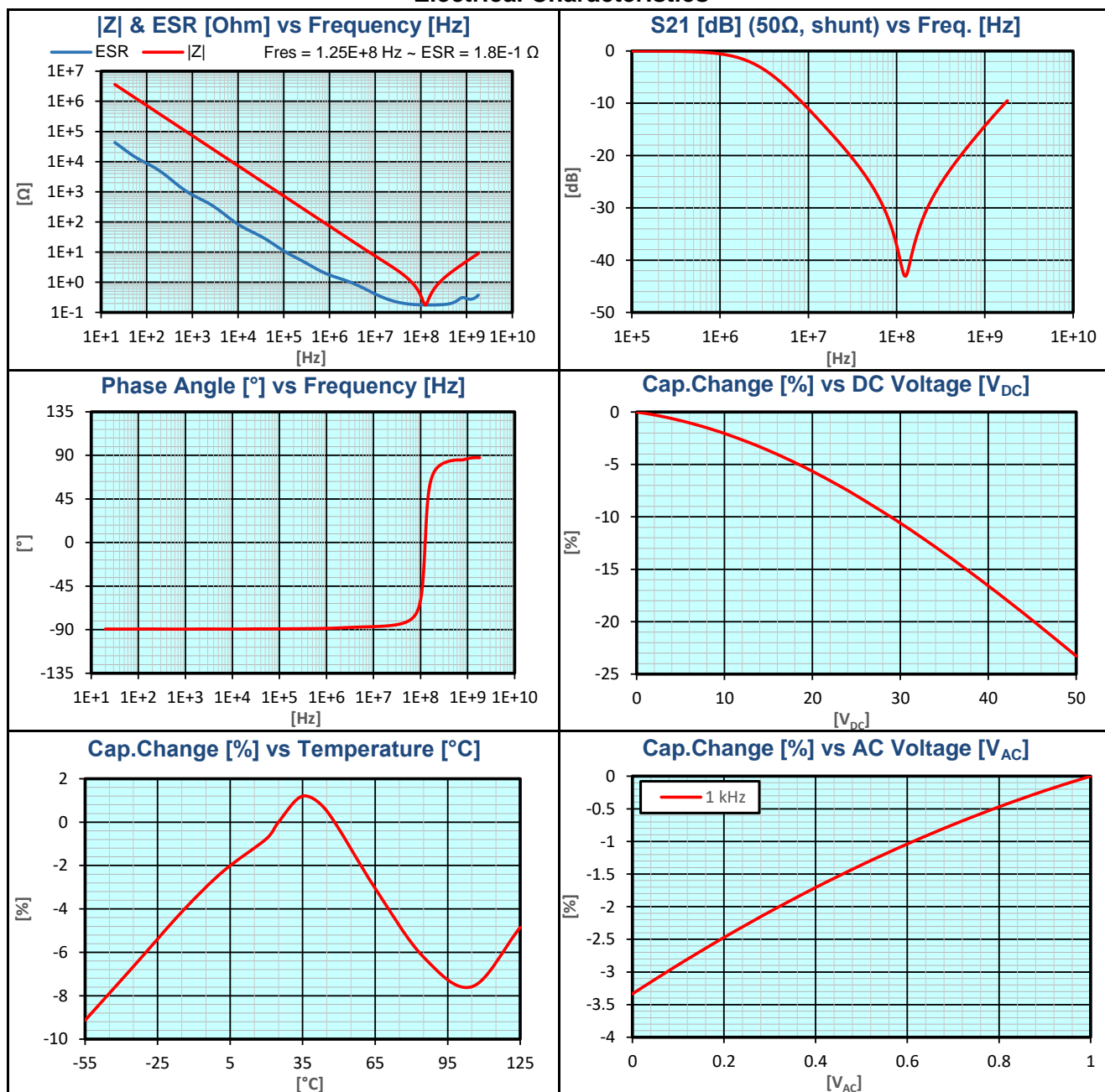


	millimetres	inches
L	1 ± 0.1	0.039 ± 0.004
W	0.5 ± 0.1	0.02 ± 0.004
T max.	0.56	0.022
t	0.25 ± 0.15	0.01 ± 0.006

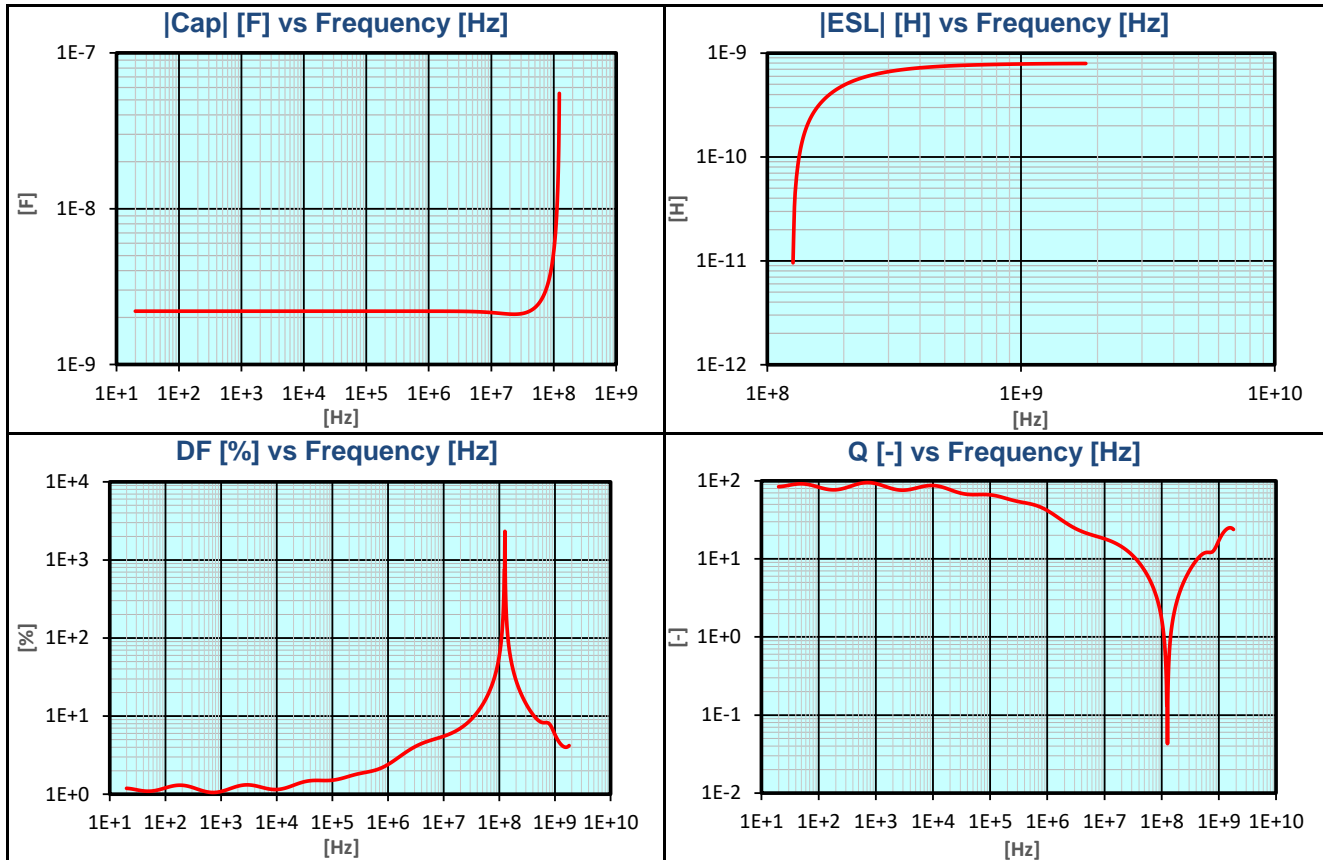
Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	1.98 to 2.42	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	GΩ	100 min.	@ 50 Vdc, t = 120 s
DWV	Vdc	125	@ I ≤ 50mA, t ≤ 5 s
Operating Temperature		-55°C to +125°C	
Dielectric		X7R	
Product Level		General	
RoHS Compliant		Yes	
Termination		Sn	

Electrical Characteristics



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Part Number Information

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	A ± 0.05 pF	H	See catalog for optional codes
	A Automotive	U Hi-Q (Special function)	02 01005	for list of codes	R5 X5R	0 1x A 1	+ no of zeros)	B ± 0.1 pF	T	
	(AEC-Q200)	E ESD (Special function)	03 0201		S6 X6S	1 10x N 1.5		C ± 0.25 pF	U	Φ 180 (7 inch)*
	M Medical	L Low inductance reverse Geometry	05 0402	T6 X6T	2 100x D 2		D ± 0.5 pF	Y		
		A Low Inductance LGA	15 0603	R7 X7R	3 1000x E 2.5		Examples:	F ± 1 %	V	
		F Flexitem (Special function/structure)	21 0805	S7 X7S	U 3		100 = 10 pF	G ± 2 %		
		S Flexisafe (Special function/structure)	31 1206	T7 X7T	V 3.5		102 = 1000 pF	J ± 5 %	M	
		G Gold Termination (Special Structure)	32 1210	R8 X8R	G 4		224 = 220 nF	K ± 10 %	L	
		C IDC (Special structure)	42 1808	L8 X8L	H 5		105 = 1 μF	M ± 20 %	N	
		Q Ultra Low ESR	43 1812	G8 X8G	J 6.3				K	Φ 330 (13 inch)*
			44 1825	V5 Y5V					S	
			55 2220			Example:				
			56 2225			1E = 25V (10 x 2.5)			X	Waffle pack
			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.