

KGF05AR71H472KH Datasheet

(0402 50 V X7R 4.7nF $\pm 10\%$ FLEXITERM®)

To download data and simulation models visit: **SpiCAT** ONLINE TOOL



Dimensions

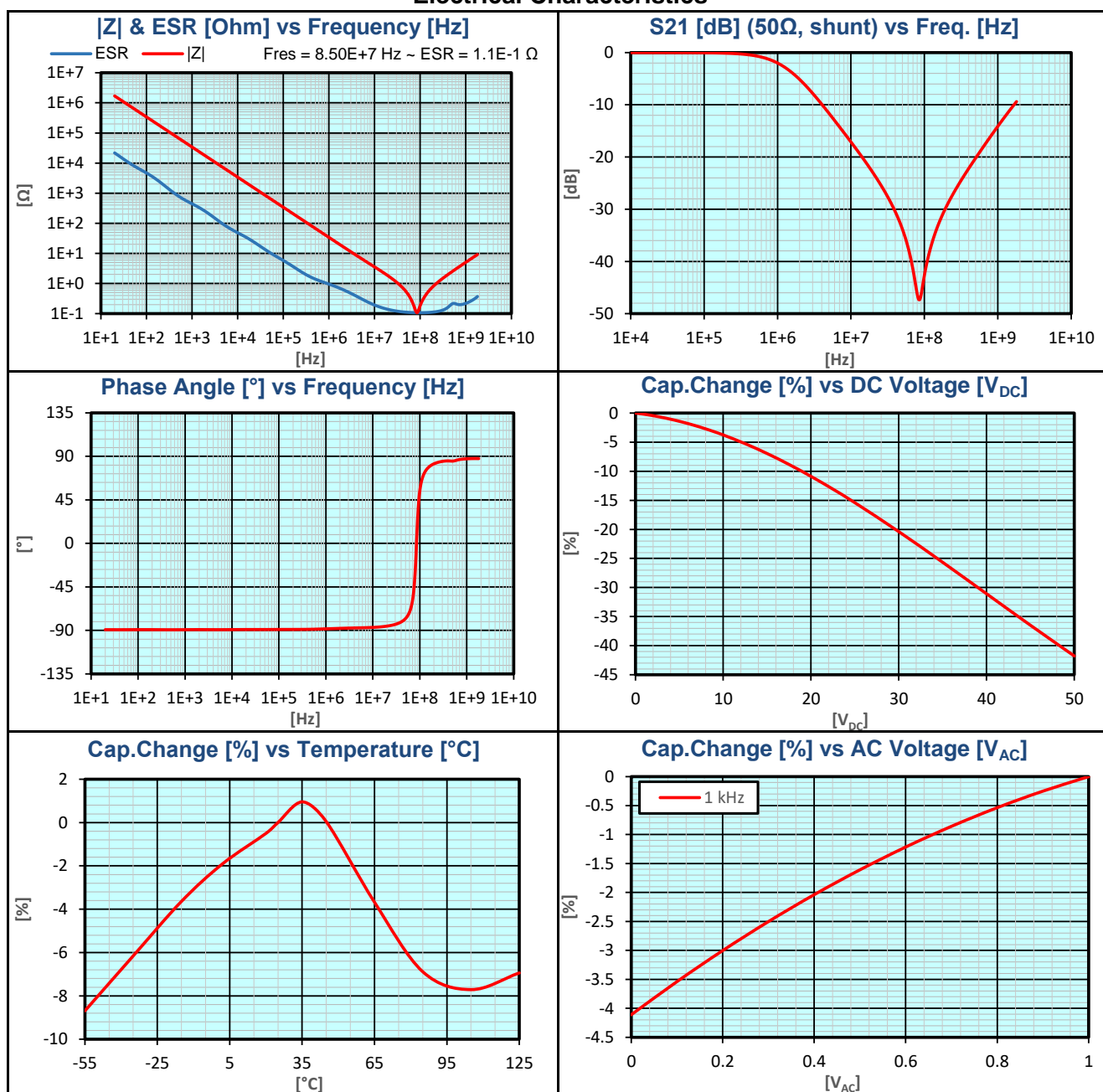


	millimetres	inches
L	1 \pm 0.1	0.039 \pm 0.004
W	0.5 \pm 0.1	0.02 \pm 0.004
T max.	0.56	0.022
t	0.25 \pm 0.15	0.01 \pm 0.006

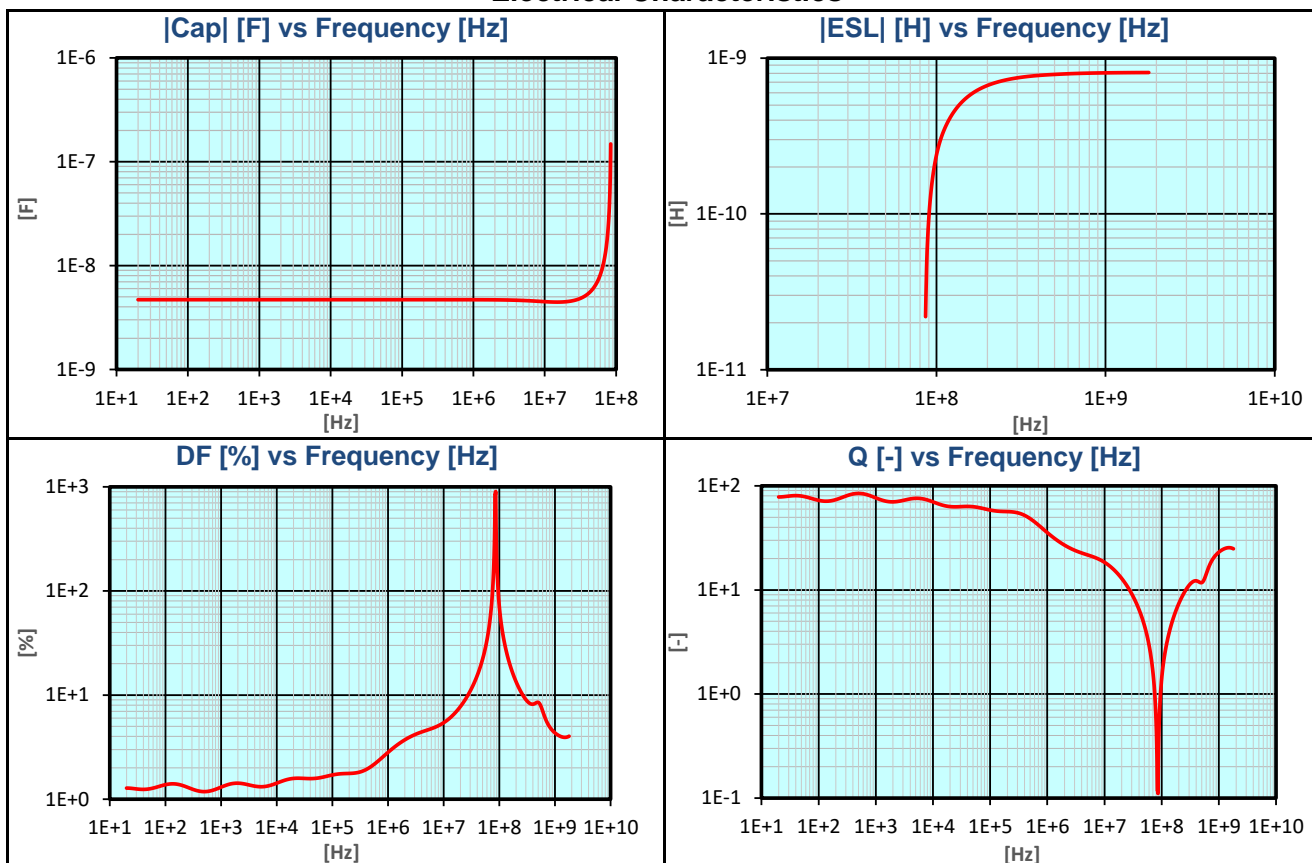
Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	4.23 to 5.17	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	G Ω	100 min.	@ 50 Vdc, t = 120 s
DWV	Vdc	125	@ I \leq 50mA, t \leq 5 s
Operating Temperature		-55°C to +125°C	
Dielectric		X7R	
Product Level		General	
RoHS Compliant		Yes	
Termination		FLEXITERM®	

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 + no of zeros)	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		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	
	M Medical	L Low inductance reverse Geometry	05 0402		T6 X6T	2 100x D 2	Examples:	D ± 0.5 pF	Y	
		A Low Inductance LGA	15 0603		R7 X7R	3 1000x E 2.5	100 = 10 pF	F ± 1 %	V	
		F Flexiterm (Special function/structure)	21 0805		S7 X7S	U 3	102 = 1000 pF	G ± 2 %		
		S Flexisafe (Special function/structure)	31 1206		T7 X7T	V 3.5	224 = 220 nF	J ± 5 %	M	
		G Gold Termination (Special Structure)	32 1210		R8 X8R	G 4	105 = 1 µF	K ± 10 %	L	
		C IDC (Special structure)	42 1808		L8 X8L	H 5		M ± 20 %	N	
		Q Ultra Low ESR	43 1812		G8 X8G	J 6.3			K	
			44 1825		V5 Y5V				S	
			55 2220							
			56 2225							
			91 3640							
						Example:				
						1E = 25V (10 x 2.5)				
									X	
									Waffle pack	