

# KGM31PR71H334JU Datasheet

(1206 50 V X7R 330nF  $\pm 5\%$ )

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## Dimensions

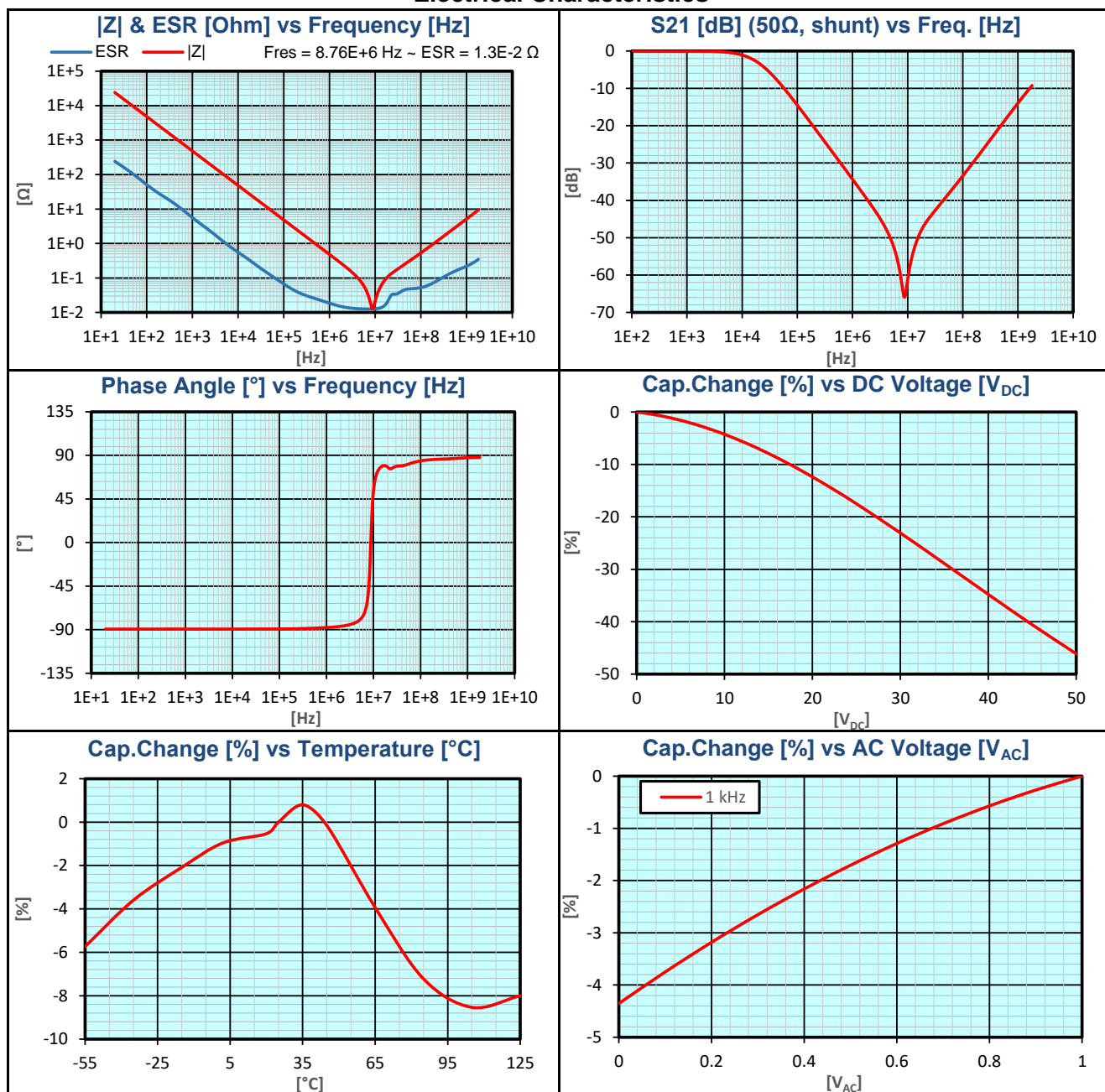


	millimetres	inches
L	$3.2 \pm 0.2$	$0.126 \pm 0.008$
W	$1.6 \pm 0.2$	$0.063 \pm 0.008$
T max.	1.4	0.055
t	$0.5 \pm 0.25$	$0.02 \pm 0.01$

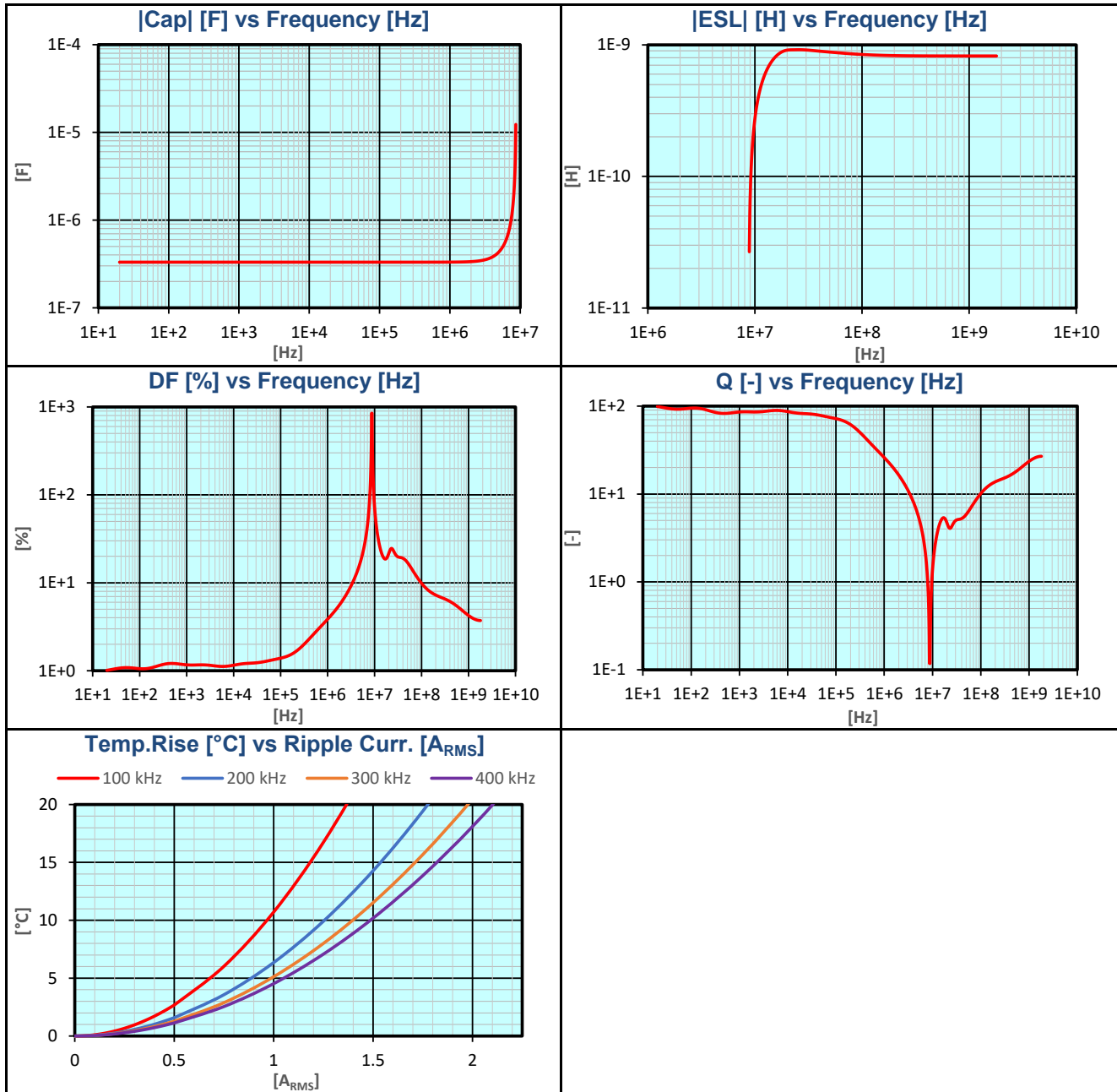
## Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	313.5 to 346.5	@ 1 kHz, 1 Vrms
DF	%	10 max.	@ 1 kHz, 1 Vrms
IR	G $\Omega$	3 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		Sn	

## Electrical Characteristics



## Electrical Characteristics



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(1206 50 V X7R 330nF ±5%)

## 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		
	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 Flexiterm (Special function/structure)	21 0805	S7 X7S	U 3	100 = 10 pF	G ± 2 %			Φ 180 (7 inch)*	
		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:					Waffle pack
			56 2225			1E = 25V (10 x 2.5)					
			91 3640								
<b>Note:</b>											
* 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.