

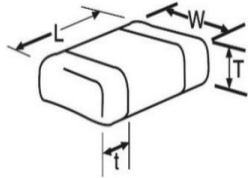
KAF15AR71H333KT Datasheet

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(0603 50 V X7R 33nF ±10% AEC-Q200 FLEXITERM®)

Dimensions

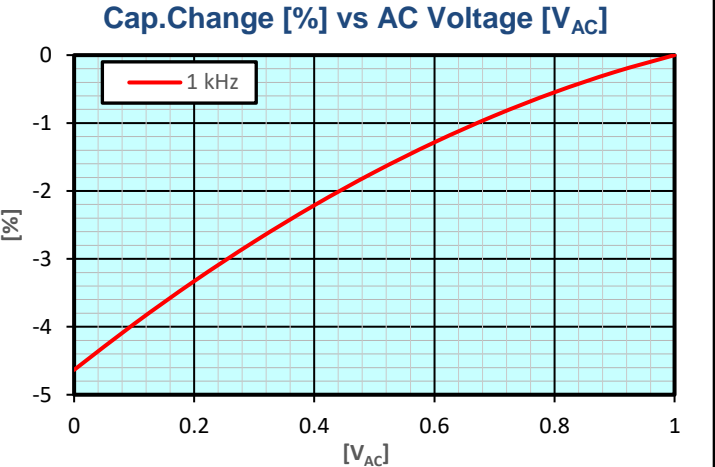
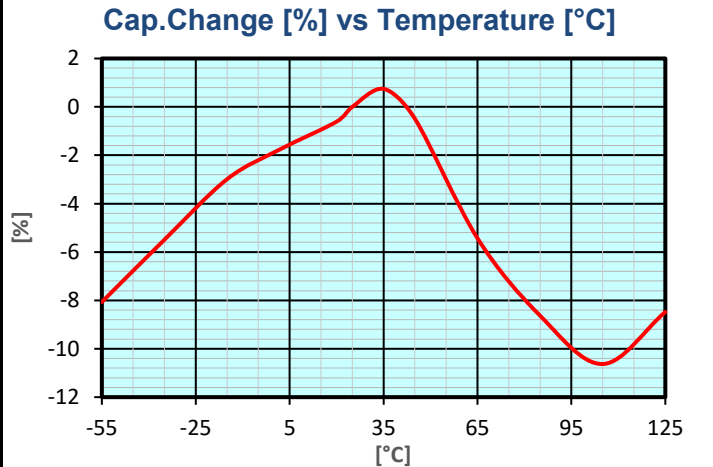
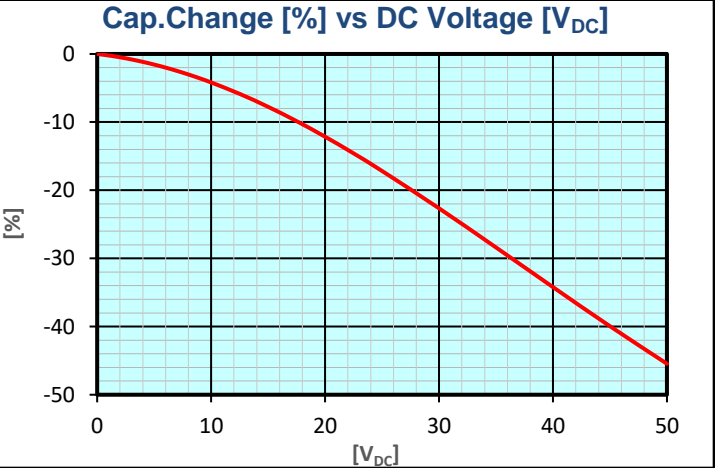
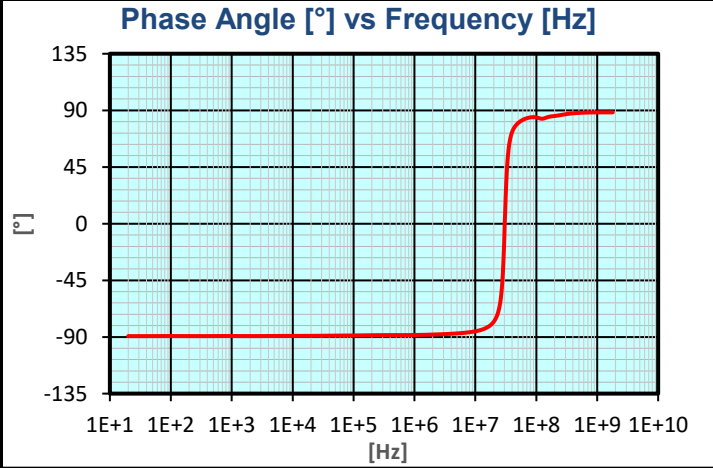
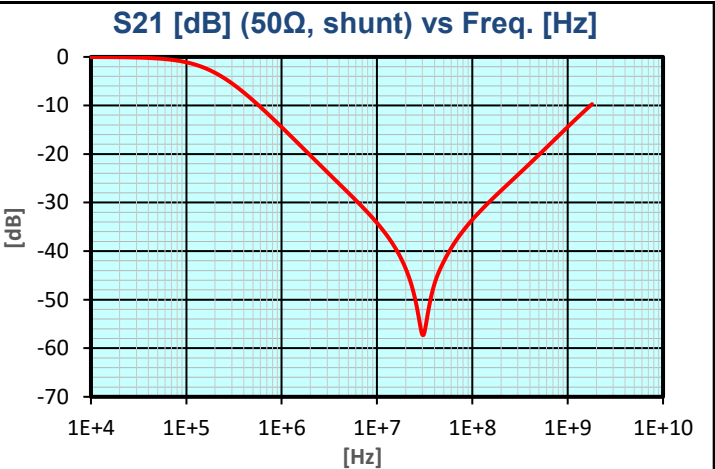
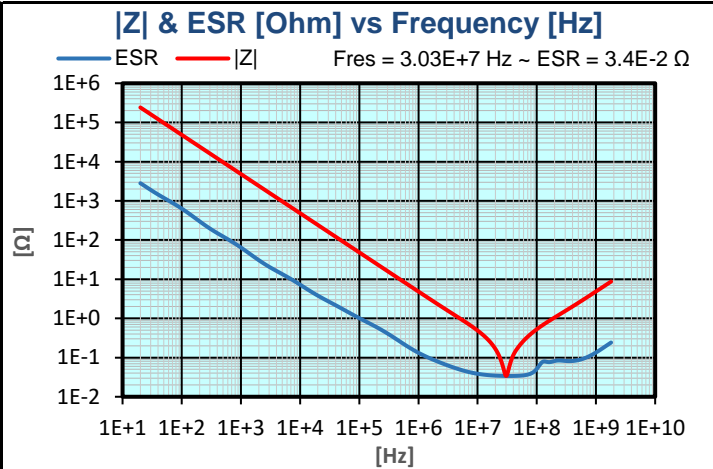


	millimetres	inches
L	1.6 ± 0.15	0.063 ± 0.006
W	0.81 ± 0.15	0.032 ± 0.006
T max.	0.9	0.035
t	0.35 ± 0.15	0.014 ± 0.006

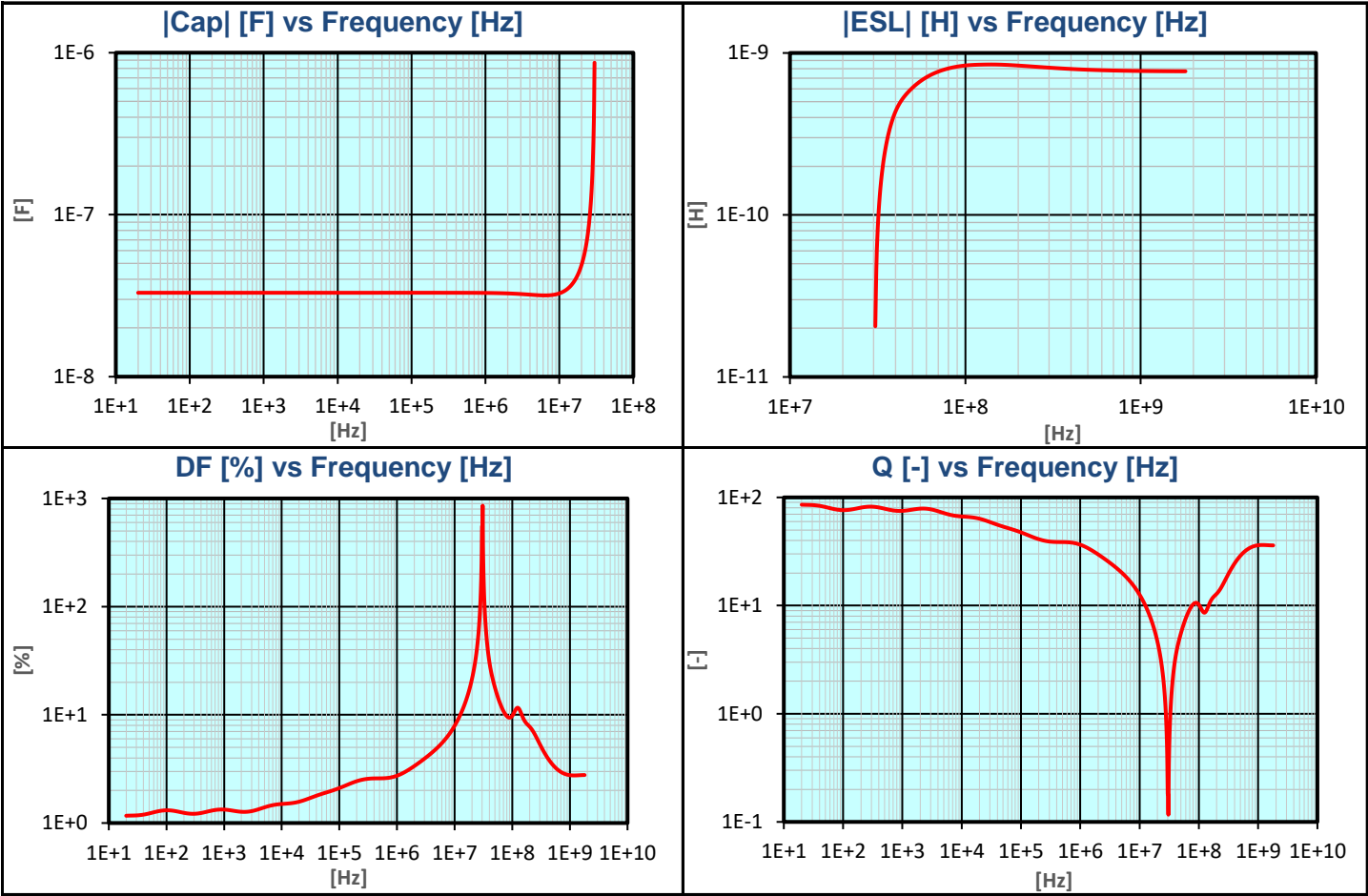
Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	nF	29.7 to 36.3	@ 1 kHz, 1 Vrms
DF	%	2.5 max.	@ 1 kHz, 1 Vrms
IR	GΩ	30.3 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		AEC-Q200	
RoHS Compliant		Yes	
Termination		FLEXITERM®	

Electrical Characteristics



Electrical Characteristics



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	} Φ 180 (7 inch)*		} See catalog for optional codes	
	A Automotive	U Hi-Q (Special function)				02	01005		for list of	R5	X5R	0 1x	A 1		+ no of zeros)	B ± 0.1 pF	T				
	(AEC-Q200)	E ESD (Special function)				03	0201		codes	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	} Φ 330 (13 inch)*			
		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											X	Waffle pack		
						91	3640														
												Example:									
												1E = 25V (10 x 2.5)									
Note:																					
* See catalog for more information.																					