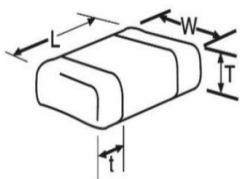


KAM05CT70G106KH Datasheet

(0402 4 V X7T 10uF ±10%)

Dimensions



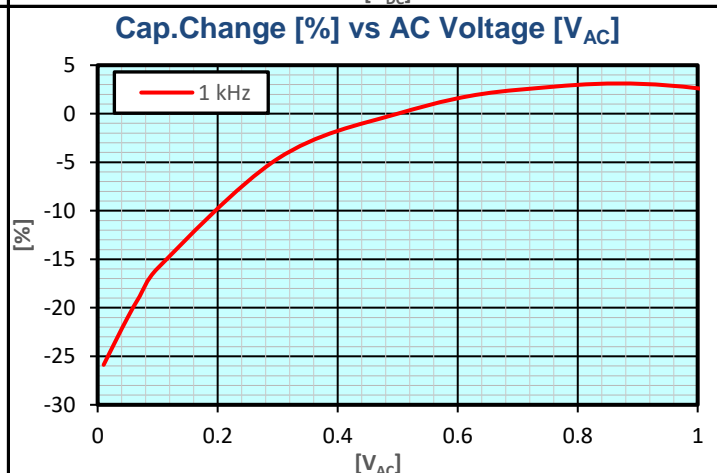
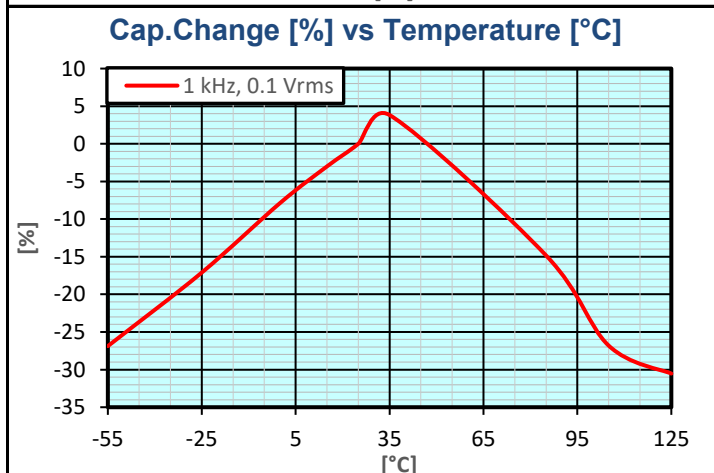
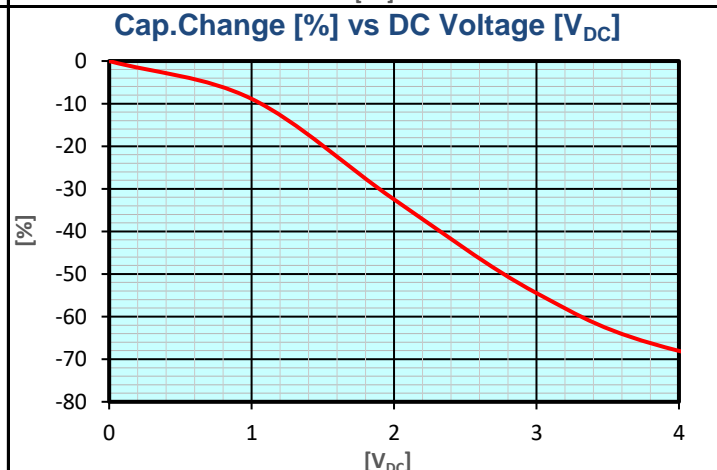
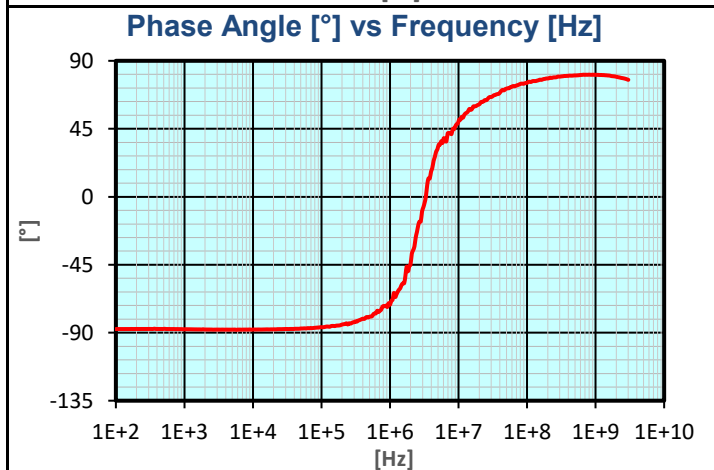
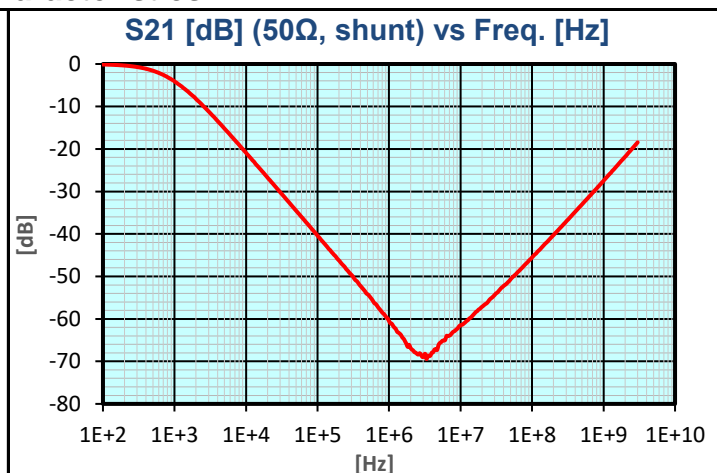
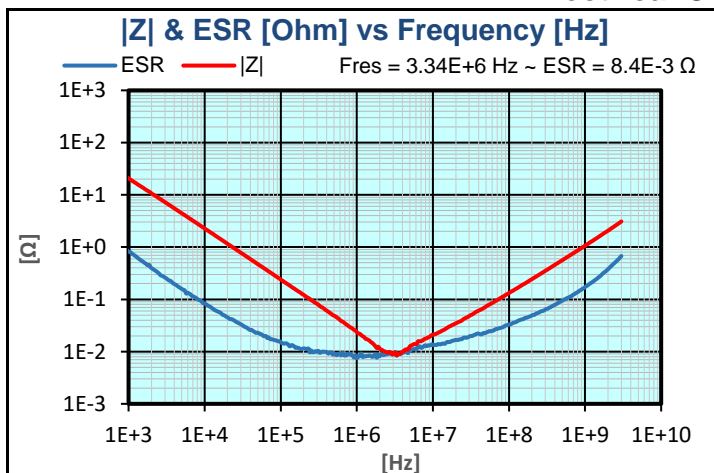
	millimetres	inches
L	1 ± 0.2	0.039 ± 0.008
W	0.5 ± 0.2	0.02 ± 0.008
T max.	0.7	0.028
t	0.25 ± 0.1	0.01 ± 0.004

Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	uF	9 to 11	@ 1 kHz, 0.5 Vrms
DF	%	12.5 max.	@ 1 kHz, 0.5 Vrms
IR	MΩ	5 min.	@ 4 Vdc, t = 60 s

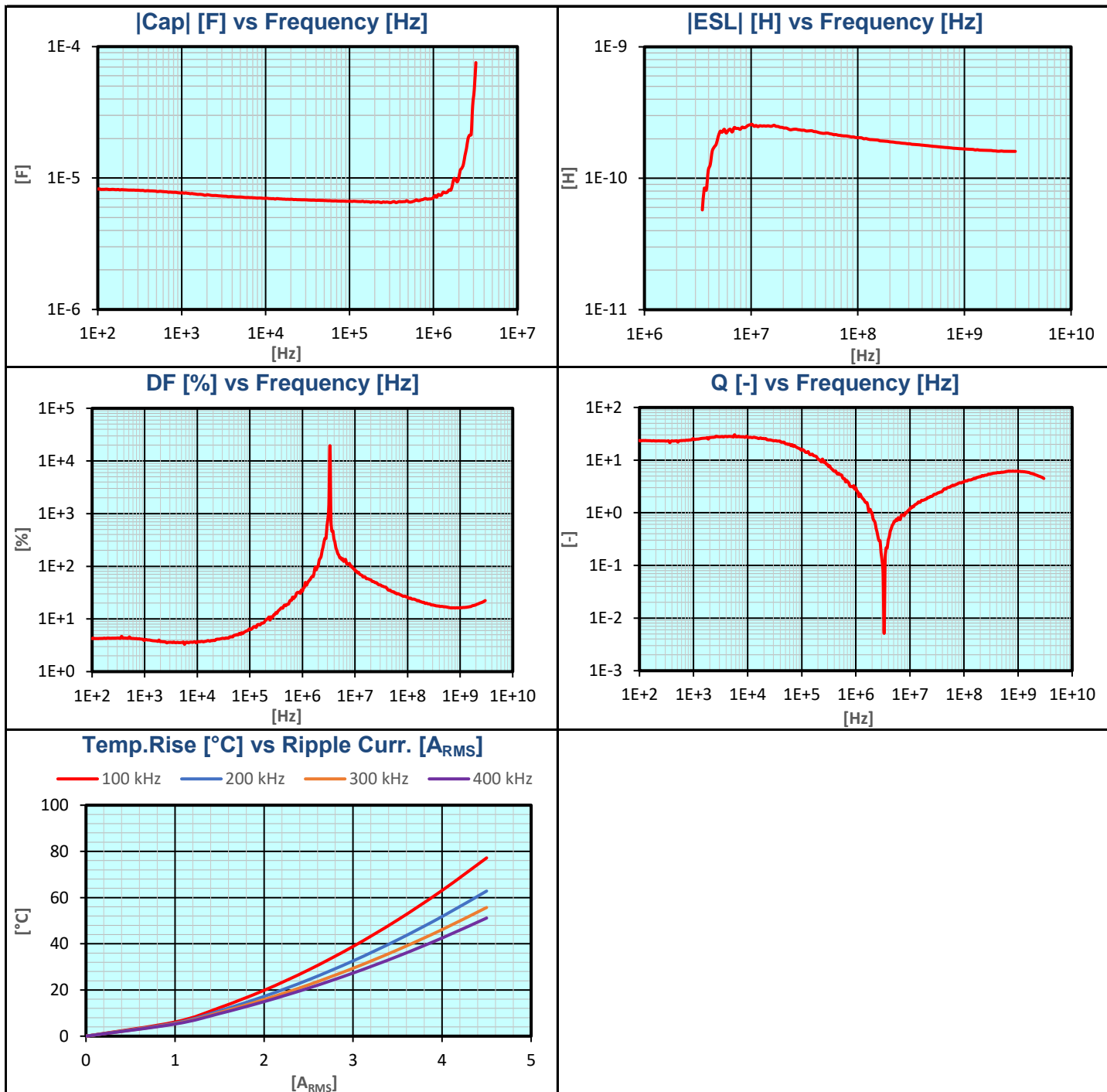
Operating Temperature	-55°C to +125°C
Dielectric	X7T
Product Level	AEC-Q200
RoHS Compliant	Yes
Termination	Sn

Electrical Characteristics



(0402 4 V X7T 10uF ±10%)

Electrical Characteristics



KAM05CT70G106KH Datasheet



(0402 4 V X7T 10uF ±10%)

Part Number Information

K		G		M		21		C		R5		1E		103		K		T		###	
Symbol:	Product Level:	Requirement:		Code:	EIA:	Thickness:	Dielectric:	Multiplier:	Base:	Capacitance:	Tolerance:	Packing:		Optional:							
KAVX	G General	M Standard		02	01005	See catalog for list of codes	CG C0G	0 1x	A 1	(2 significant digits + no of zeros)	A ± 0.05 pF	H	} Φ 180 (7 inch)*	See catalog for optional codes							
	A Automotive (AEC-Q200)	U Hi-Q (Special function)		03	0201		R5 X5R	1 10x	N 1.5		B ± 0.1 pF	T									
	M Medical	E ESD (Special function)		05	0402		S6 X6S	2 100x	D 2	Examples:	C ± 0.25 pF	U									
		L Low inductance reverse Geometry		15	0603		T6 X6T	3 1000x	E 2.5	100 = 10 pF	D ± 0.5 pF	Y									
		A Low Inductance LGA		21	0805		R7 X7R		U 3	102 = 1000 pF	F ± 1 %	V	} Φ 330 (13 inch)*								
		F Flexiterm (Special function/structure)		31	1206		S7 X7S		V 3.5	224 = 220 nF	G ± 2 %	M									
		S Flexisafe (Special function/structure)		32	1210		T7 X7T		G 4	105 = 1 μF	D ± 0.5 pF	Y									
		G Gold Termination (Special Structure)		42	1808		R8 X8R		H 5		F ± 1 %	L									
		C IDC (Special structure)		43	1812		S8 X8S		J 6.3		G ± 2 %	N									
		Q Ultra Low ESR		44	1825		R9 X9R				H ± 5 %	K									
				55	2220		S9 X9S				J ± 5 %	L									
				56	2225						K ± 10 %	N									
				91	3640						M ± 20 %	S									
												X	Waffle pack								

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.