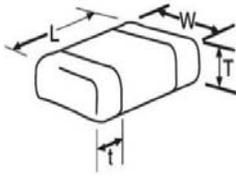


KAM05CT70J475KH Datasheet



(0402 6.3 V X7T 4.7uF ±10%)

Dimensions



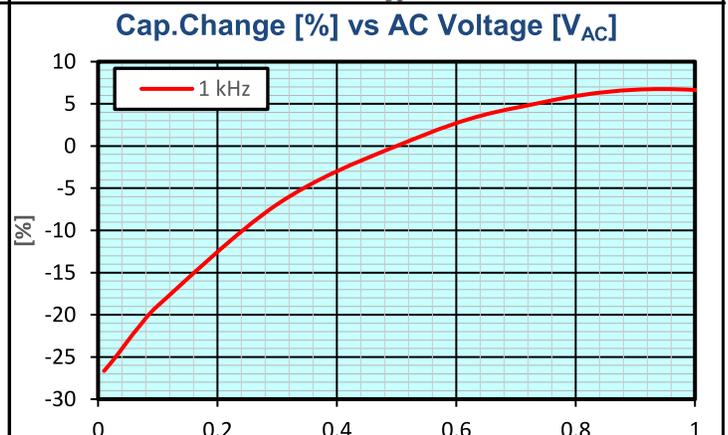
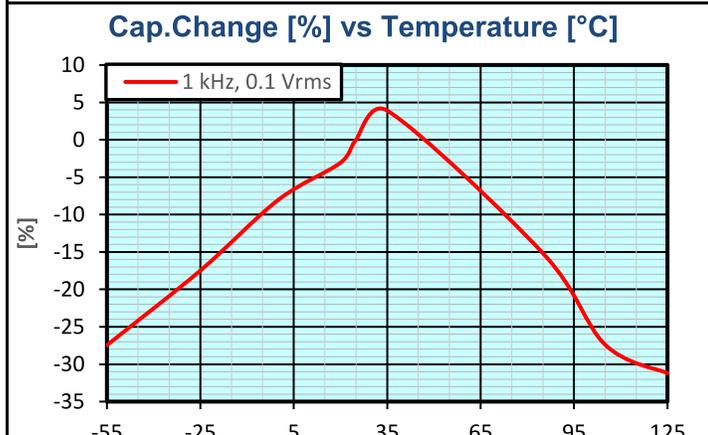
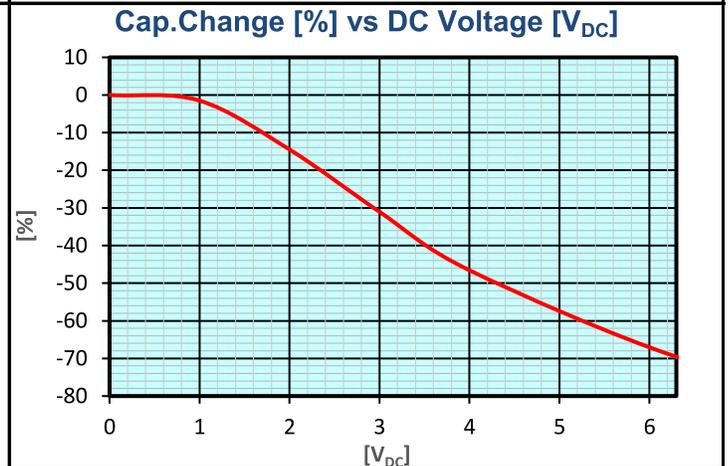
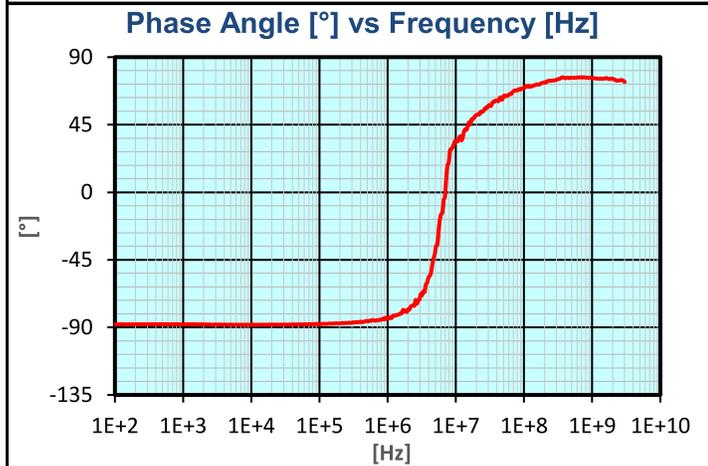
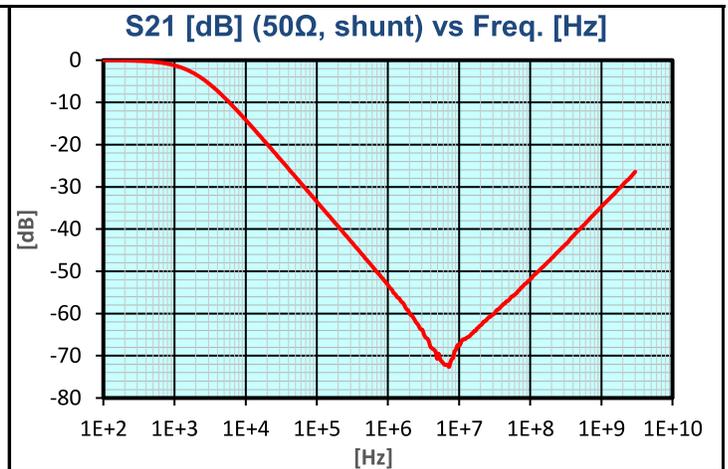
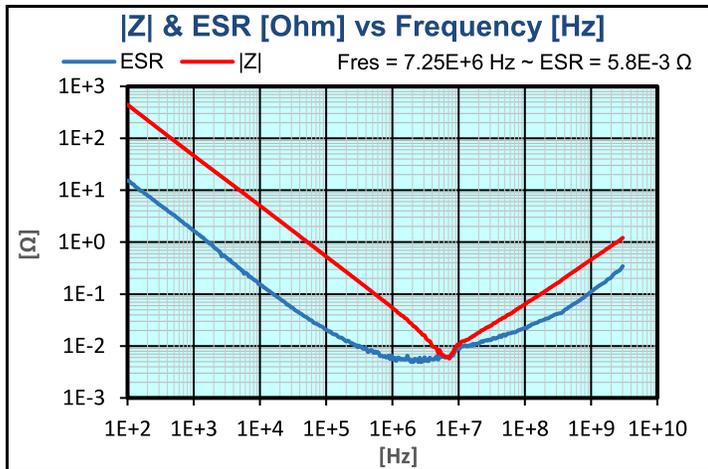
	millimetres	inches
L	1 ± 0.2	0.039 ± 0.008
W	0.5 ± 0.2	0.02 ± 0.008
T max.	0.7	0.028
t	0.25 ± 0.1	0.01 ± 0.004

Basic Specifications

Item	Unit	Spec.	Conditions
Capacitance	uF	4.23 to 5.17	@ 1 kHz, 0.5 Vrms
DF	%	12.5 max.	@ 1 kHz, 0.5 Vrms
IR	MΩ	10.6 min.	@ 6.3 Vdc, t = 60 s

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

Electrical Characteristics

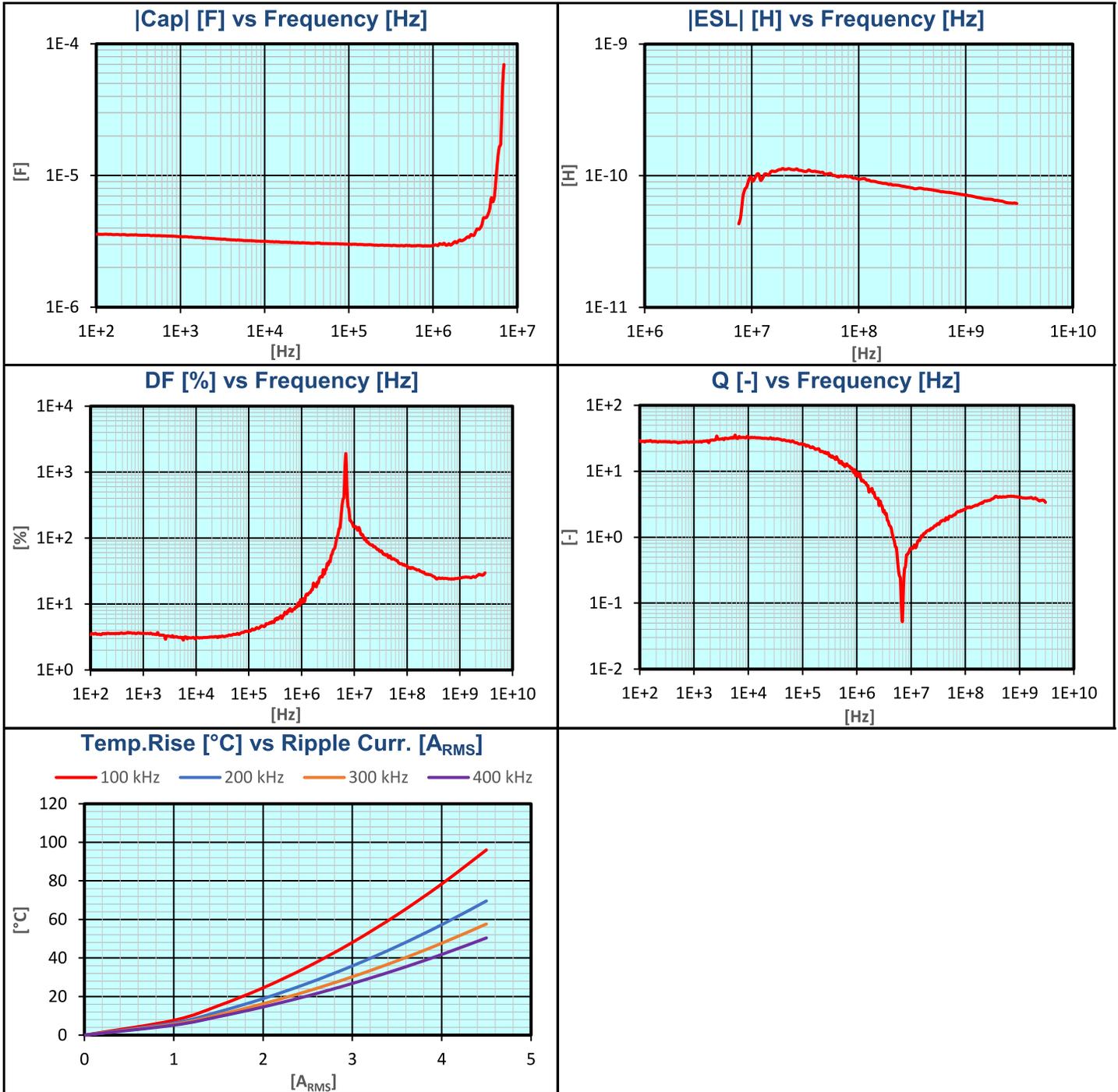


KAM05CT70J475KH Datasheet



(0402 6.3 V X7T 4.7uF ±10%)

Electrical Characteristics



KAM05CT70J475KH Datasheet



(0402 6.3 V X7T 4.7uF ±10%)

Part Number Information

K			G			M			21		C		R5		1E		103		K			T			###		
Symbol:	Product Level:		Requirement:			Size:	EIA:	Thickness:	Dielectric:		Multiplier:	Base:	Capacitance:	Tolerance:			Packing:	Optional:									
KAVX	G	General	M	Standard		02	01005	See catalog for list of codes	R5	X5R	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	U	Hi-Q (Special function)		03	0201		S6	X6S	1	10x	N	1.5		B	± 0.1 pF	T									
		(AEC-Q200)	E	ESD (Special function)		05	0402		T6	X6T	2	100x	D	2	Examples:	C	± 0.25 pF	U									
	M	Medical	L	Low inductance reverse Geometry		15	0603		R7	X7R	3	1000x	E	2.5	100 = 10 pF	D	± 0.5 pF	Y									
			A	Low Inductance LGA		21	0805		S7	X7S			U	3	102 = 1000 pF	F	± 1 %	V									
			F	Flexiterm (Special function/structure)		31	1206		T7	X7T			V	3.5	224 = 220 nF	G	± 2 %		} Φ 330 (13 inch)*								
			S	Flexisafe (Special function/structure)		32	1210		R8	X8R			G	4	105 = 1 μ F	J	± 5 %	M									
			G	Gold Termination (Special Structure)		42	1808		L8	X8L			H	5		K	± 10 %	L									
			C	IDC (Special structure)		43	1812		G8	X8G			J	6.3		M	± 20 %	N									
			Q	Ultra Low ESR		44	1825		V5	Y5V								K									
						55	2220											S									
						56	2225											X	Waffle pack								
						91	3640																				

Note:
* See catalog for more information.