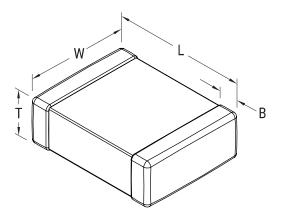
## **KEMET Part Number: C1206C473K5RACAUTO**



SMD Auto X7R, Ceramic, 0.047 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1206



Dimensions		
Chip Size	1206	
L	3.2mm +/-0.2mm	
W	1.6mm +/-0.2mm	
Т	0.78mm +/-0.10mm	
В	0.5mm +/-0.25mm	

Packaging Specifications		
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	4000	

General Information		
Series:	SMD Auto X7R	
Style:	SMD Chip	
Description:	SMD, MLCC, Temperature Stable, Automotive Grade	
Features:	Temperature Stable, Automotive Grade	
RoHS:	Yes	
Termination:	Tin	
Marking:	No	
Qualifications:	AEC-Q200	
AEC-Q200:	Yes	
Miscellaneous:	Note: KEMET 50V rated parts may be operated at 63 Volts.	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications		
Capacitance:	0.047 uF	
Measurement Condition:	1 kHz 1.0Vrms	
Capacitance Tolerance:	10%	
Voltage DC:	50 VDC	
Dielectric Withstanding Voltage:	125 VDC	
Temperature Range:	-55/+125°C	
Temperature Coefficient:	X7R	
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms	
Dissipation Factor:	2.5% 1 kHz 1.0Vrms	
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours	
Insulation Resistance:	21.277 GOhms	

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