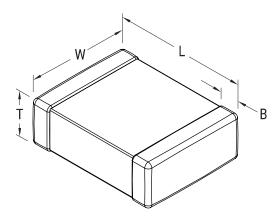
## **KEMET Part Number: C1206C103KBRACAUTO**



SMD Auto X7R HV, Ceramic, 0.01 uF, 10%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 1206



Dimensions	
Chip Size	1206
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
Т	1.6mm +/-0.15mm
В	0.5mm +/-0.25mm

Packaging Specifications		
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	2000	

General Information		
Series:	SMD Auto X7R HV	
Style:	SMD Chip	
Description:	SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade	
Features:	High Voltage, Temp Stable, Automotive Grade	
RoHS:	Yes	
Termination:	Tin	
Marking:	No	
Qualifications:	AEC-Q200	
AEC-Q200:	Yes	
Component Weight:	41 mg	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications	
Capacitance:	0.01 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	630 VDC
Dielectric Withstanding Voltage:	945 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:	100 GOhms

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