KEMET Part Number: C1206C105K4NACAUTO



SMD Auto X8L HT150C, Ceramic, 1 uF, 10%, 16 VDC, X8L, SMD, MLCC, High Temperature, Temperature Stable, Automotive Grade, 1206



Dimensions		
Chip Size	1206	
L	3.2mm +/-0.2mm	
W	1.6mm +/-0.2mm	
Т	1mm +/-0.10mm	
В	0.5mm +/-0.25mm	

Packaging Specifications		
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	2500	

General Information	
Series:	SMD Auto X8L HT150C
Style:	SMD Chip
Description:	SMD, MLCC, High Temperature, Temperature Stable, Automotive Grade
Features:	High Temperature, Temperature Stable, Automotive Grade
RoHS:	Yes
Termination:	Tin
Marking:	No
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Component Weight:	25 mg
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	1 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	16 VDC
Dielectric Withstanding Voltage:	40 VDC
Temperature Range:	-55/+150°C
Temperature Coefficient:	X8L
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	+15%/-40%, 1kHz 1.0Vrms
Dissipation Factor:	3.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	500 MOhms

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