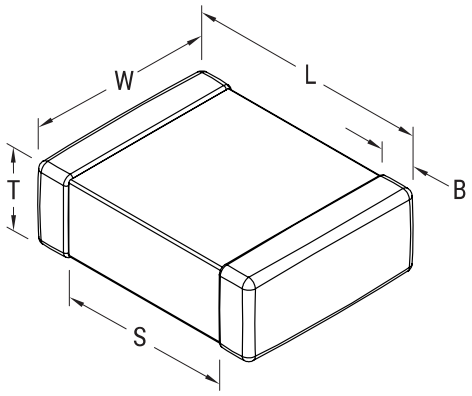
KEMET Part Number: C0603C102J1HACAUTO

SMD Auto X8R HT150C, Ceramic, 1000 pF, 5%, 100 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 0603



Dimensions	
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.7mm MIN
B	0.35mm +/-0.15mm

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

General Information	
Supplier:	KEMET
Series:	SMD Auto X8R HT150C
Style:	SMD Chip
Description:	SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade
Features:	High Temperature, Ultra-Stable, Automotive Grade
RoHS:	Yes
Termination:	Tin
Marking:	No
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Miscellaneous:	Note: Referee time for X8R dielectric for this part number is 1000 hours
Chip Size:	0603
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	1000 pF
Capacitance Tolerance:	5%
Voltage DC:	100 VDC
Dielectric Withstanding Voltage:	250 V
Temperature Range:	-55/+150C
Temperature Coefficient:	X8R
Dissipation Factor:	2.50% 1MHz 25C
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms

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