

SMD Auto X8R HT150C, Ceramic, 47 pF, 5%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 0402



**Dimensions**

Dimensions	
Chip Size	0402
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
S	0.3mm MIN
B	0.3mm +/-0.1mm

**Packaging Specifications**

Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	10000

**General Information**

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
Component Weight:	1210 ug
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	47 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	5%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+150°C
Temperature Coefficient:	X8R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1MegaHz 1.0Vrms
Dissipation Factor:	2.5% 1 MHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	100 GOhms

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