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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
Typical Component Weight	1.21 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
S	0.3mm MIN
B	0.3mm +/-0.1mm
Case Code (EIA / mm)	0402 / 1005

Specifications

Capacitance	8.2 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	+/-0.25 pF
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+150°C
Temp. 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

Packaging Specifications

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

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