

C0603X209C1HACAUTO

SMD Auto X8R HT150C Flex, Ceramic, 2 pF, ± 0.25 pF, 100 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, FT-CAP, Automotive Grade, 0603 / 1608



Click [here](#) for the 3D model.

General Information

Series	SMD Auto X8R HT150C Flex
Style	SMD Chip
Description	SMD, MLCC, High Temperature, Ultra-Stable, FT-CAP, Automotive Grade
Features	High Temperature, Ultra-Stable, FT-CAP, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
Typical Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	2 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	± 0.25 pF
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	$-55/+150^{\circ}\text{C}$
Temp. Coefficient	X8R
Capacitance Change with Reference to $+25^{\circ}\text{C}$ and 0 VDC Applied (TCC)	15%, 1MHz 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

Dimensions

L	1.6mm ± 0.17 mm
W	0.8mm ± 0.15 mm
T	0.8mm ± 0.15 mm
S	0.4mm MIN
B	0.45mm ± 0.15 mm
Case Code (EIA / mm)	0603 / 1608

Packaging Specifications

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

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