



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

## General Information

Series	SMD Auto X8G HT150C Flex
Style	SMD Chip
Description	SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade
Features	High Temperature, Ultra-Stable, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	15 mg
Shelf Life	78 Weeks
MSL	1

## Specifications

Capacitance	5.6 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	$\pm 0.5$ pF
Voltage DC	250 VDC
Dielectric Withstanding Voltage	625 VDC
Temperature Range	-55/+150°C
Temp. Coefficient	X8G
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1MHz 1.0Vrms
Dissipation Factor	0.1% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

## Dimensions

Chip Size	1206
L	3.3mm $\pm 0.4$ mm
W	1.6mm $\pm 0.35$ mm
T	0.78mm $\pm 0.20$ mm
S	1.5mm MIN
B	0.6mm $\pm 0.25$ mm

## Packaging Specifications

Packaging	T&R, 330mm, Plastic Tape
Packaging Quantity	10000

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