



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

## General Information

Series	SMD Auto X8G 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
Typical Component Weight	11 mg
Shelf Life	78 Weeks
MSL	1

## Specifications

Capacitance	6.8 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	$\pm 0.1$ pF
Voltage DC	200 VDC
Dielectric Withstanding Voltage	500 VDC
Temperature Range	$-55/+150^{\circ}\text{C}$
Temp. Coefficient	X8G
Capacitance Change with Reference to $+25^{\circ}\text{C}$ 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	0805
L	2mm $\pm 0.2$ mm
W	1.25mm $\pm 0.2$ mm
T	0.78mm $\pm 0.10$ mm
S	0.7mm MIN
B	0.5mm $\pm 0.25$ mm

## Packaging Specifications

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

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