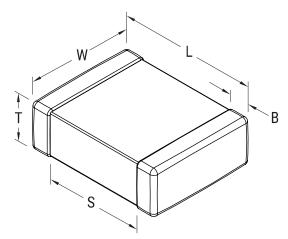


## C1812C684K1RACAUTO

SMD Auto X7R, Ceramic, 0.68 uF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1812, 2.3 mm



Click here for the 3D model.

General Information	
Series	SMD Auto X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Automotive Grade
Features	Temperature Stable, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	95 mg
Shelf Life	78 Weeks
MSL	1

Dimensions	
Chip Size	1812
L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
Т	1.55mm +/-0.10mm
S	2.3mm MIN
В	0.6mm +/-0.35mm

## **Packaging Specifications**

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	1000

Specifications	
Capacitance	0.68 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5%1kHz1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	1.4706 GOhms

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.