

SMD Auto X7R, Ceramic, 0.047 uF, 10%, 25 V, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 0402

**Dimensions**

L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
S	0.3mm MIN
B	0.3mm +/-0.1mm

Packaging Specifications

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

General Information

Supplier:	KEMET
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
Failure Rate:	N/A
Approvals:	AEC-Q200
AEC-Q200:	Yes
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours
Chip Size:	0402

Specifications

Capacitance:	0.047 uF
Capacitance Tolerance:	10%
Voltage DC:	25 VDC
Dielectric Withstanding Voltage:	62.5 V
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	3.5% 1kHz 25C
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	10 GOhms