

C0603X102K1RAC3316

SMD Auto X7R VW80808, Ceramic, 1000 pF, 10%, 100 VDC, X7R, SMD, MLCC, Automotive Grade, 0603



Click here for the 3D model.

Chip Size 0603   L 1.6mm +/-0.17mm   W 0.8mm +/-0.15mm   T 0.8mm +/-0.15mm   S 0.58mm MIN   B 0.45mm +/-0.15mm	Dimensions	
W 0.8mm +/-0.15mm   T 0.8mm +/-0.15mm   S 0.58mm MIN	Chip Size	0603
T 0.8mm +/-0.15mm   S 0.58mm MIN	L	1.6mm +/-0.17mm
S 0.58mm MIN	W	0.8mm +/-0.15mm
	Т	0.8mm +/-0.15mm
B 0.45mm +/-0.15mm	S	0.58mm MIN
	В	0.45mm +/-0.15mm

## **Packaging Specifications**

Packaging Packaging Quantity

T&R, 180mm, Paper Tape 4000

General Information	
Series	SMD Auto X7R VW80808
Style	SMD Chip
Description	SMD, MLCC, Automotive Grade
Features	VW 80808 Specification Compliant
RoHS	Yes
Termination	Flexible Termination
Failure Rate	N/A
Qualifications	AEC-Q200
AEC-Q200	Yes
Shelf Life	152 Weeks

Specifications		
Capacitance	1000 pF	
Capacitance Tolerance	10%	
Voltage DC	100 VDC	
Dielectric Withstanding Voltage	250 VDC	
Temperature Range	-55/+125°C	
Temperature Coefficient	X7R	
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms	
Dissipation Factor	2.5%1kHz 1.0Vrms	
Insulation Resistance	100 GOhms	

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