## **KEMET Part Number: C0805C105K8RACAUTO**



## Ceramic, AUTO-(CxxxxC-AUTO), 1 uF, 10%, 10 V, 0805, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



Dimensions	
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
Т	0.9mm +/-0.10mm
S	0.75mm MIN
В	0.5mm +/-0.25mm

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

General Information	
Style:	SMD Chip
Series:	AUTO-(CxxxxC-AUTO)
Chip Size:	0805
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

Specifications		
Capacitance:	1 uF	
Capacitance Tolerance:	10%	
Voltage DC:	10 VDC	
Temperature Range:	-55/+125C	
Temperature Coefficient:	X7R	
Dissipation Factor:	5%	
Aging Rate:	3% Loss/Decade Hour	
Insulation Resistance:	500 MOhms	
Dielectric Strength:	25 V	

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