KEMET Part Number: C0805X105K3RACAUTO



Capacitor, Ceramic, SMD, MLCC, FT-CAP, Automotive Grade, 1 uF, +/-10% Tol, 25 V, X7R, 0805 (2012 metric)



General Information		
Supplier:	KEMET	
Application:	Automotive (AEC-Q200 Qualified)	
Chip Size:	0805 (2012 metric)	
Temperature Coefficient:	X7R	
Part Type Description:	SMD, MLCC, FT-CAP, Automotive Grade	
Termination Type:	Flexible Termination	
Marked:	No	
RoHS:	Yes	
Approvals:	AEC-Q200	

Dimensions (mm)			
Symbol	Dimension	Tolerance	
L	2	+/-0.3	
W	1.25	+/-0.3	
т	1.25	+/-0.15	
В	0.5	+/-0.25	
S	0.75	MIN	

Packaging Specifications		
Package Kind:	T&R	
Package Size:	7 in/180 mm	
Package Type:	Plastic Tape	
Package Quantity:	2500	

Specifications		
Capacitance:	1 uF	
Voltage:	25 V	
Tolerance:	+/-10%	
Temperature Range:	-55/+125C	
Dissipation Factor:	3.5%	
Failure Rate:	N/A	
Aging Rate:	3% loss/decade hour	
Insulation Resistance:	500 MOhm	
Dielectric Strength:	62.5 V	
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours	

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.

