KEMET Part Number: C0805C823K5RALTM

(C0805C823K5RAL7025)



SMD Comm X7R SnPb, Ceramic, 0.082 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 0805



Dimensions		
Chip Size	0805	
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		
Series:	SMD Comm X7R SnPb	
Style:	SMD Chip	
Description:	SMD, MLCC, Temperature Stable, SnPb Termination	
Features:	SnPb Termination	
RoHS:	No	
Prop 65:	WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov.	
SCIP Number:	5549986b-60cf-4a2a- afbb-4ad1d7a11dcb	
Termination:	Lead (SnPb)	
Marking:	Yes	
AEC-Q200:	No	
Component Weight:	13 mg	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications	
Capacitance:	0.082 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 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% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	12.1951 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.



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