## KEMET Part Number: C0603C823K5RACTU

(C0603C823K5RAC7867)



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 0.082 uF, +/-10% Tol, 50 V, X7R, 0603 (1608 metric)



General Information		
Supplier:	KEMET	
Application:	Standard Chip	
Chip Size:	0603 (1608 metric)	
Temperature Coefficient:	X7R	
Part Type Description:	SMD, MLCC, Temperature Stable, Class II	
Termination Type:	Tin (Sn)	
Marked:	No	
RoHS:	Yes	

Dimensions (mm)			
Symbol	Dimension	Tolerance	
L	1.6	+/-0.15	
W	0.8	+/-0.15	
Т	0.8	+/-0.07	
В	0.35	+/-0.15	
S	0.7	MIN	

Packaging Specifications		
Package Kind:	T&R	
Package Size:	7 in/180 mm	
Package Type:	Paper Tape	
Package Quantity:	4000	

Specifications		
Capacitance:	0.082 uF	
Voltage:	50 V	
Tolerance:	+/-10%	
Temperature Range:	-55/+125C	
Dissipation Factor:	2.5%	
Failure Rate:	N/A	
Aging Rate:	3% loss/decade hour	
Insulation Resistance:	6.1 GOhm	
Dielectric Strength:	125 V	
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours	

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