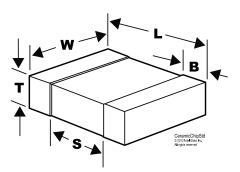# KEMET Part Number: C0603C683K5RACTU
(C0603C683K5RAC7867)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 0.068 uF, +/-10% Tol, 50 V, X7R, 0603 (1608 metric)

CeramicChipStd
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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
T	0.8	+/-0.07
B	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:	0.068 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:	7.35 GOhm
Dielectric Strength:	125 V
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours