

KEMET Part Number: C0805C685K8PACTU
(C0805C685K8PAC7800)

SMD Comm X5R, Ceramic, 6.8 uF, 10%, 10 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 0805



Dimensions

Dimension	Value
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	1.25mm +/-0.15mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications

Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	2500

General Information

Supplier:	KEMET
Series:	SMD Comm X5R
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, Class II
Features:	Temperature Stable, Class II
RoHS:	Yes
Termination:	Tin
Marking:	No
Miscellaneous:	Note: Referee time for X5R dielectric for this part number is 1000 hours
Chip Size:	0805
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	6.8 uF
Capacitance Tolerance:	10%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 VDC
Temperature Range:	-55/+85C
Temperature Coefficient:	X5R
Dissipation Factor:	10.00% 1kHz 25C
Aging Rate:	5% Loss/Decade Hour
Insulation Resistance:	15 MOhms