

**KEMET Part Number: C0805C682J5HACTU**  
(C0805C682J5HAC7800)

Ceramic, 150C-(CxxxxC), 6800 pF, 5%, 50 V, 0805, X8R, SMD, MLCC, High Temperature, Ultra-Stable



Dimensions	
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	0.78mm +/-0.10mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications	
Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	4000

General Information	
Style:	SMD Chip
Series:	150C-(CxxxxC)
Chip Size:	0805
Description:	SMD, MLCC, High Temperature, Ultra-Stable
Features:	High Temperature, Ultra-Stable
RoHS:	Yes
Termination:	Tin
Marking:	No
Failure Rate:	N/A
Miscellaneous:	Note: Referee time for X8R dielectric for this part number is 1000 hours

Specifications	
Capacitance:	6800 pF
Capacitance Tolerance:	5%
Voltage DC:	50 VDC
Temperature Range:	-55/+150C
Temperature Coefficient:	X8R
Dissipation Factor:	2.5%
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms
Dielectric Strength:	125 V