

**KEMET Part Number: C0603X682K5HACTU**  
(C0603X682K5HAC7867)

SMD Comm X8R HT150C Flex, Ceramic, 6800 pF, 10%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0603



**Dimensions**

Dimension	Value
L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.58mm MIN
B	0.45mm +/-0.15mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Paper Tape
<b>Packaging Quantity:</b>	4000

**General Information**

<b>Supplier:</b>	KEMET
<b>Series:</b>	SMD Comm X8R HT150C Flex
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, High Temperature, Ultra-Stable
<b>Features:</b>	Ultra-Stable
<b>RoHS:</b>	Yes
<b>Termination:</b>	Flexible Termination
<b>Marking:</b>	No
<b>Miscellaneous:</b>	Note: Referee time for X8R dielectric for this part number is 1000 hours
<b>Chip Size:</b>	0603

**Specifications**

<b>Capacitance:</b>	6800 pF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 V
<b>Temperature Range:</b>	-55/+150C
<b>Temperature Coefficient:</b>	X8R
<b>Dissipation Factor:</b>	2.50% 1kHz 25C
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms