

**KEMET Part Number: C0805C225M8VACTU**  
(C0805C225M8VAC7800)



SMD Comm Y5V, Ceramic, 2.2 uF, 20%, 10 VDC, Y5V, SMD, MLCC, General Purpose, Class III, 0805



**Dimensions**

Dimensions	
Chip Size	0805
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**

Series:	SMD Comm Y5V
Style:	SMD Chip
Description:	SMD, MLCC, General Purpose, Class III
Features:	Class III
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Component Weight:	21 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	2.2 uF
Measurement Condition:	120 Hz 0.5Vrms
Capacitance Tolerance:	20%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 VDC
Temperature Range:	-30/+85°C
Temperature Coefficient:	Y5V
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	+22%/-82%, 120Hz 0.5Vrms
Dissipation Factor:	10% 120 Hz 0.5Vrms
Aging Rate:	7% Loss/Decade Hour: Referee Time is 48 Hours
Insulation Resistance:	22.7 MOhms

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