

**KEMET Part Number: C1210C685Z4VACTU**  
(C1210C685Z4VAC7800)

SMD Comm Y5V, Ceramic, 6.8 uF, -20/+80%, 16 VDC, Y5V, SMD, MLCC, General Purpose, Class III, 1210



**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 3.2mm +/-0.2mm   |
| <b>W</b> | 2.5mm +/-0.2mm   |
| <b>T</b> | 1.55mm +/-0.15mm |
| <b>B</b> | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2000                     |

**General Information**

|                       |  |
|-----------------------|--|
| <b>Supplier:</b>      | KEMET  |
| <b>Series:</b>        | SMD Comm Y5V   |
| <b>Style:</b>         | SMD Chip   |
| <b>Description:</b>   | SMD, MLCC, General Purpose, Class III                                    |
| <b>Features:</b>      | Class III  |
| <b>RoHS:</b>          | Yes  |
| <b>Termination:</b>   | Tin  |
| <b>Marking:</b>       | No   |
| <b>Miscellaneous:</b> | Note: Referee time for Y5V dielectric for this part number is 1000 hours |
| <b>Chip Size:</b>     | 1210   |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 6.8 uF              |
| <b>Capacitance Tolerance:</b>           | -20/+80%            |
| <b>Voltage DC:</b>                      | 16 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 40 V                |
| <b>Temperature Range:</b>               | -30/+85C            |
| <b>Temperature Coefficient:</b>         | Y5V                 |
| <b>Dissipation Factor:</b>              | 7.00% 120Hz 25C     |
| <b>Aging Rate:</b>                      | 7% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 15 MOhms            |