

SMD Auto X7R Flex, Ceramic, 10 uF, 5%, 6.3 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 0805

**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 2mm +/-0.35mm    |
| <b>W</b> | 1.25mm +/-0.3mm  |
| <b>T</b> | 1.25mm +/-0.20mm |
| <b>S</b> | 0.75mm MIN       |
| <b>B</b> | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2500                     |

**General Information**

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Supplier:</b>       | KEMET                                                                  |
| <b>Series:</b>         | SMD Auto X7R Flex                                                      |
| <b>Style:</b>          | SMD Chip                                                               |
| <b>Description:</b>    | SMD, MLCC, FT-CAP, Automotive Grade                                    |
| <b>Features:</b>       | FT-CAP, Automotive Grade                                               |
| <b>RoHS:</b>           | Yes                                                                    |
| <b>Termination:</b>    | Flexible Termination                                                   |
| <b>Marking:</b>        | No                                                                     |
| <b>Qualifications:</b> | AEC-Q200                                                               |
| <b>AEC-Q200:</b>       | Yes                                                                    |
| <b>Miscellaneous:</b>  | Note: Referee time for X7R dielectric for this part number is 48 hours |
| <b>Chip Size:</b>      | 0805                                                                   |
| <b>Shelf Life:</b>     | 78 Weeks                                                               |
| <b>MSL:</b>            | 1                                                                      |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 10 uF               |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 6.3 VDC             |
| <b>Dielectric Withstanding Voltage:</b> | 15.75 VDC           |
| <b>Temperature Range:</b>               | -55/+125°C          |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 10.00% 1kHz 25C     |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 10 MOhms            |