

SMD Auto X7R Flex, Ceramic, 4.7 uF, 10%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 1210



**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 3.3mm +/-0.4mm   |
| <b>W</b> | 2.6mm +/-0.3mm   |
| <b>T</b> | 1.25mm +/-0.20mm |
| <b>B</b> | 0.6mm +/-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 1000 hours |
| <b>Chip Size:</b>      | 1210   |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 4.7 uF              |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 25 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 62.5 V              |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 3.50% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 106 MOhms           |