

SMD Auto X7R Flex, Ceramic, 2.2 uF, 10%, 50 V, 1812, X7R, SMD, MLCC, FT-CAP, Automotive Grade



**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 4.5mm +/-0.4mm   |
| <b>W</b> | 3.2mm +/-0.3mm   |
| <b>T</b> | 1.55mm +/-0.10mm |
| <b>B</b> | 0.7mm +/-0.35mm  |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 1000                     |

**General Information**

|                       |  |
|-----------------------|--|
| <b>Supplier:</b>      | KEMET  |
| <b>Series:</b>        | SMD Auto X7R Flex  |
| <b>Style:</b>         | SMD Chip   |
| <b>Chip Size:</b>     | 1812   |
| <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>Failure Rate:</b>  | N/A  |
| <b>Approvals:</b>     | AEC-Q200   |
| <b>AEC-Q200:</b>      | Yes  |
| <b>Miscellaneous:</b> | Note: Referee time for X7R dielectric for this part number is 1000 hours |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 2.2 uF              |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 50 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 125 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 2.5% 120Hz 25C      |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 227 MOhms           |

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