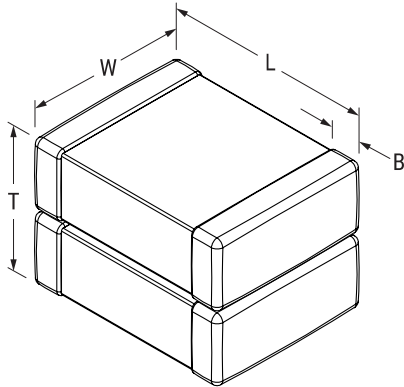


KONNEKT Auto X7R, Ceramic, 0.16 uF, 10%, 1500 VDC, X7R



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 5.7mm +/-0.4mm  |
| <b>W</b> | 5mm +/-0.4mm    |
| <b>T</b> | 5.1mm +/-0.4mm  |
| <b>B</b> | 0.6mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Weight:</b>             | 790 mg                   |
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 300                      |

**General Information**

|                        |  |
|------------------------|--|
| <b>Series:</b>         | KONNEKT Auto X7R                           |
| <b>Style:</b>          | KONNEKT                                    |
| <b>Description:</b>    | SMD, MLCC, KONNEKT, Ultra-Stable, Class II |
| <b>Features:</b>       | High Density Packaging                     |
| <b>RoHS:</b>           | Yes  |
| <b>Termination:</b>    | Tin  |
| <b>Qualifications:</b> | AEC-Q200                                   |
| <b>AEC-Q200:</b>       | Yes  |
| <b>Chip Size:</b>      | 2220-2                                     |
| <b>Shelf Life:</b>     | 78 Weeks                                   |
| <b>MSL:</b>            | 1  |

**Specifications**

|  |                     |
|--|---------------------|
| <b>Capacitance:</b>  | 0.16 uF             |
| <b>Measurement Condition:</b>  | 120 Hz 0.5Vrms      |
| <b>Capacitance Tolerance:</b>  | 10%                 |
| <b>Voltage DC:</b>   | 1500 VDC            |
| <b>Dielectric Withstanding Voltage:</b>                                    | 1800 VDC            |
| <b>Temperature Range:</b>  | -55/+125°C          |
| <b>Temperature Coefficient:</b>  | X7R                 |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 15%, 1kHz 1.0Vrms   |
| <b>Dissipation Factor:</b>   | 2.5% 1 kHz 1.0Vrms  |
| <b>Aging Rate:</b>   | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>  | 6.25 GOhms          |