

SMD Auto X7R HV, Ceramic, 0.15 uF, 10%, 1,000 V, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 2225



| Dimensions |                 |
|------------|-----------------|
| <b>L</b>   | 5.6mm +/-0.4mm  |
| <b>W</b>   | 6.4mm +/-0.4mm  |
| <b>T</b>   | 2.5mm +/-0.20mm |
| <b>B</b>   | 0.6mm +/-0.35mm |

| Packaging Specifications   |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 500                      |

| General Information   |  |
|-----------------------|--|
| <b>Supplier:</b>      | KEMET  |
| <b>Series:</b>        | SMD Auto X7R HV  |
| <b>Style:</b>         | SMD Chip   |
| <b>Description:</b>   | SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade            |
| <b>Features:</b>      | High Voltage, Temp Stable, Automotive Grade                              |
| <b>RoHS:</b>          | Yes  |
| <b>Termination:</b>   | Tin  |
| <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 |
| <b>Chip Size:</b>     | 2225   |

| Specifications                          |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 0.15 uF             |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 1000 VDC            |
| <b>Dielectric Withstanding Voltage:</b> | 1,200 V             |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 2.5% 1kHz 25C       |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 6.667 GOhms         |

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