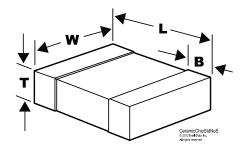
## KEMET Part Number: C1210C333KFRACAUTO



SMD Auto X7R HV, Ceramic, 0.033 uF, 10%, 1,500 V, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 1210



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 3.2mm +/-0.2mm  |  |
| W          | 2.5mm +/-0.2mm  |  |
| Т          | 2.5mm +/-0.30mm |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 1000                     |  |

| Concreting          |  |  |
|---------------------|--|--|
| General Information |  |  |
| Supplier:           | KEMET  |  |
| Series:             | SMD Auto X7R HV  |  |
| Style:              | SMD Chip   |  |
| Description:        | SMD, MLCC, High Voltage,<br>Temperature Stable, Automotive<br>Grade            |  |
| Features:           | High Voltage, Temp Stable,<br>Automotive Grade                                 |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Marking:            | No   |  |
| Failure Rate:       | N/A  |  |
| Approvals:          | AEC-Q200   |  |
| AEC-Q200:           | Yes  |  |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |  |
| Chip Size:          | 1210   |  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 0.033 uF            |  |
| Capacitance Tolerance:              | 10%                 |  |
| Voltage DC:                         | 1500 VDC            |  |
| Dielectric Withstanding<br>Voltage: | 1,800 V             |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 2.5% 1kHz 25C       |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 3.03 GOhms          |  |

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