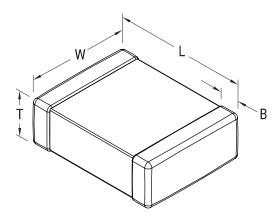
## **KEMET Part Number: C2220C223KGRACAUTO**



SMD Auto X7R HV, Ceramic, 0.022 uF, 10%, 2000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 2220



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 5.7mm +/-0.4mm  |  |
| W          | 5mm +/-0.4mm    |  |
| Т          | 2.5mm +/-0.20mm |  |
| В          | 0.6mm +/-0.35mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 500                      |  |

| 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   |  |
| Qualifications:     | AEC-Q200   |  |
| AEC-Q200:           | Yes  |  |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |  |
| Chip Size:          | 2220   |  |
| Shelf Life:         | 78 Weeks   |  |
| MSL:                | 1  |  |

| Specifications                      |                     |
|-------------------------------------|---------------------|
| Capacitance:                        | 0.022 uF            |
| Capacitance Tolerance:              | 10%                 |
| Voltage DC:                         | 2000 VDC            |
| Dielectric Withstanding<br>Voltage: | 2,400 V             |
| Temperature Range:                  | -55/+125C           |
| Temperature Coefficient:            | X7R                 |
| Dissipation Factor:                 | 2.50% 1kHz 25C      |
| Aging Rate:                         | 3% Loss/Decade Hour |
| Insulation Resistance:              | 45.455 GOhms        |

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