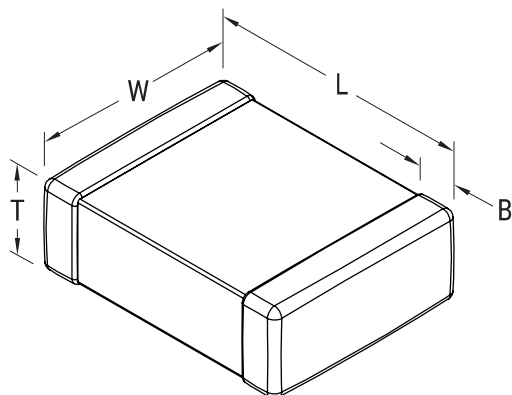


# KEMET Part Number: C1210C224K5RACAUTO

SMD Auto X7R, Ceramic, 0.22 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1210



## Dimensions

|   |                 |
|---|-----------------|
| L | 3.2mm +/-0.2mm  |
| W | 2.5mm +/-0.2mm  |
| T | 0.9mm +/-0.10mm |
| B | 0.5mm +/-0.25mm |

## Packaging Specifications

|                     |                          |
|---------------------|--------------------------|
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 4000                     |

## General Information

|                 |                                                                          |
|-----------------|--------------------------------------------------------------------------|
| Supplier:       | KEMET                                                                    |
| Series:         | SMD Auto X7R                                                             |
| Style:          | SMD Chip                                                                 |
| Description:    | SMD, MLCC, Temperature Stable, Automotive Grade                          |
| Features:       | Temperature Stable, Automotive Grade                                     |
| RoHS:           | Yes                                                                      |
| Termination:    | Tin                                                                      |
| Marking:        | No                                                                       |
| Qualifications: | AEC-Q200                                                                 |
| AEC-Q200:       | Yes                                                                      |
| Miscellaneous:  | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Chip Size:      | 1210                                                                     |
| Shelf Life:     | 78 Weeks                                                                 |
| MSL:            | 1                                                                        |

## Specifications

|                                  |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 0.22 uF             |
| Capacitance Tolerance:           | 10%                 |
| Voltage DC:                      | 50 VDC              |
| Dielectric Withstanding Voltage: | 125 V               |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | X7R                 |
| Dissipation Factor:              | 2.50% 1kHz 25C      |
| Aging Rate:                      | 3% Loss/Decade Hour |
| Insulation Resistance:           | 4.545 GOhms         |