

SMD Comm X5R, Ceramic, 22 uF, 10%, 16 VDC, X5R, SMD, MLCC, Temperature Stable, Automotive Grade, 1210



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1210             |
| L          | 3.2mm +/-0.2mm   |
| W          | 2.5mm +/-0.2mm   |
| T          | 1.85mm +/-0.20mm |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 2000                     |

| General Information |   |
|---------------------|---|
| Series:             | SMD Comm X5R  |
| Style:              | SMD Chip  |
| Description:        | SMD, MLCC, Temperature Stable, Automotive Grade                           |
| Features:           | Temperature Stable, Automotive Grade                                      |
| RoHS:               | Yes   |
| Termination:        | Tin   |
| Marking:            | No  |
| Failure Rate:       | N/A   |
| Qualifications:     | AEC-Q200  |
| AEC-Q200:           | Yes   |
| Miscellaneous:      | Note: Referee time for X5R dielectric for this part number is 1000 hours. |
| Shelf Life:         | 78 Weeks  |
| MSL:                | 1   |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 22 uF               |
| Capacitance Tolerance:           | 10%                 |
| Voltage DC:                      | 16 VDC              |
| Dielectric Withstanding Voltage: | 40 VDC              |
| Temperature Range:               | -55/+85°C           |
| Temperature Coefficient:         | X5R                 |
| Dissipation Factor:              | 10% 120Hz 25C       |
| Aging Rate:                      | 5% Loss/Decade Hour |
| Insulation Resistance:           | 5 MOhms             |

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