KEMET Part Number: C0805C224K4RACAUTO



Ceramic, AUTO-(CxxxxC-AUTO), 0.22 uF, 10%, 16 V, 0805, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



| Dimensions | |
|------------|------------------|
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| Т | 0.78mm +/-0.10mm |
| S | 0.75mm MIN |
| В | 0.5mm +/-0.25mm |

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

| General Information | | |
|---------------------|--|--|
| Style: | SMD Chip | |
| Series: | AUTO-(CxxxxC-AUTO) | |
| Chip Size: | 0805 | |
| Description: | SMD, MLCC, Temperature Stable, Automotive Grade | |
| Features: | Temperature Stable, Automotive Grade | |
| RoHS: | Yes | |
| Termination: | Tin | |
| Marking: | No | |
| Failure Rate: | N/A | |
| Approvals: | AEC-Q200 | |
| AEC-Q200: | Yes | |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours | |

| Specifications | | |
|--------------------------|---------------------|--|
| Capacitance: | 0.22 uF | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 16 VDC | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | X7R | |
| Dissipation Factor: | 3.5% | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 2.27 GOhms | |
| Dielectric Strength: | 40 V | |

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