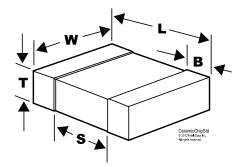
KEMET Part Number: C0603C821K5RACAUTO



Ceramic, AUTO-(CxxxxC-AUTO), 820 pF, 10%, 50 V, 0603, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



| Dimensions | |
|------------|------------------|
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| Т | 0.8mm +/-0.07mm |
| S | 0.7mm MIN |
| В | 0.35mm +/-0.15mm |

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

| General Information | | |
|---------------------|--|--|
| Style: | SMD Chip | |
| Series: | AUTO-(CxxxxC-AUTO) | |
| Chip Size: | 0603 | |
| 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: | 820 pF | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 50 VDC | |
| Dielectric Withstanding Voltage: | 125 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | X7R | |
| Dissipation Factor: | 2.5% | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 100 GOhms | |

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