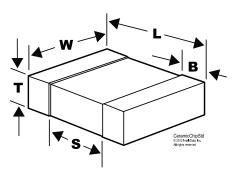
KEMET Part Number: C0603C223K1RECAUTO



Ceramic, Electro Static Discharge, ESD-AUTO, 0.022 uF, 10%, 100 V, 0603, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, 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: | ESD-AUTO |
| Chip Size: | 0603 |
| Description: | SMD, MLCC, Temperature Stable, Electro Static Discharge, 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: | 0.022 uF |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 100 VDC |
| ESD Level per AEC-Q200: | 16,000 V ESD Level |
| Dielectric Withstanding Voltage: | 250 V |
| Temperature Range: | -55/+125C |
| Temperature Coefficient: | X7R |
| Dissipation Factor: | 2.5% |
| Aging Rate: | 3% Loss/Decade Hour |
| Insulation Resistance: | 45.455 GOhms |

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