KEMET Part Number: C1812C683J1GACAUTO



SMD Auto COG, Ceramic, 0.068 uF, 5%, 100 V, COG, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 1812



| Dimensions | | |
|------------|-----------------|--|
| L | 4.5mm +/-0.3mm | |
| W | 3.2mm +/-0.3mm | |
| Т | 1mm +/-0.10mm | |
| В | 0.6mm +/-0.35mm | |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging: | T&R, 180mm, Plastic Tape | |
| Packaging Quantity: | 1000 | |

| General Information | |
|---------------------|--|
| Supplier: | KEMET |
| Series: | SMD Auto C0G |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade |
| Features: | Ultra-Stable, Low Loss, Automotive Grade |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| Failure Rate: | N/A |
| Approvals: | AEC-Q200 |
| AEC-Q200: | Yes |
| Chip Size: | 1812 |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 0.068 uF | |
| Capacitance Tolerance: | 5% | |
| Voltage DC: | 100 VDC | |
| Dielectric Withstanding Voltage: | 250 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | COG | |
| Dissipation Factor: | 0.1% 1kHz 25C | |
| Aging Rate: | 0% Loss/Decade Hour | |
| Insulation Resistance: | 14.706 GOhms | |

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