

SMD Auto COG, Ceramic, 100 pF, 5%, 200 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 0402



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| T          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| B          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 10000                  |

| General Information |   |
|---------------------|---|
| Supplier:           | KEMET   |
| Series:             | SMD Auto COG  |
| 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  |
| Qualifications:     | AEC-Q200  |
| AEC-Q200:           | Yes   |
| Chip Size:          | 0402  |
| Shelf Life:         | 78 Weeks  |
| MSL:                | 1   |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 100 pF              |
| Capacitance Tolerance:           | 5%                  |
| Voltage DC:                      | 200 VDC             |
| Dielectric Withstanding Voltage: | 500 VDC             |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | COG                 |
| Dissipation Factor:              | 0.10% 1MHz 25C      |
| Aging Rate:                      | 0% Loss/Decade Hour |
| Insulation Resistance:           | 100 GOhms           |