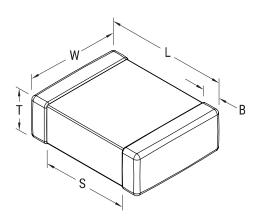
## KEMET Part Number: C0603C139B5GACAUTO



SMD Auto C0G, Ceramic, 1.3 pF, +/-0.1 pF, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 0603



| 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 |   |  |
|---------------------|---|--|
| Supplier:           | KEMET   |  |
| Series:             | SMD Auto C0G  |  |
| Style:              | SMD Chip  |  |
| Description:        | SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade     |  |
| Features:           | Ultra-Stable, Low Loss,<br>Automotive Grade             |  |
| RoHS:               | Yes   |  |
| Termination:        | Tin   |  |
| Marking:            | No  |  |
| Qualifications:     | AEC-Q200  |  |
| AEC-Q200:           | Yes   |  |
| Miscellaneous:      | Note: KEMET 50V rated parts may be operated at 63 Volts |  |
| Chip Size:          | 0603  |  |
| Shelf Life:         | 78 Weeks  |  |
| MSL:                | 1   |  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 1.3 pF              |  |
| Capacitance Tolerance:              | +/-0.1 pF           |  |
| Voltage DC:                         | 50 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 125 V               |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | COG                 |  |
| Dissipation Factor:                 | 0.10% 1MHz 25C      |  |
| Aging Rate:                         | 0% Loss/Decade Hour |  |
| Insulation Resistance:              | 100 GOhms           |  |

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