## **KEMET Part Number: C0603C180J3GACAUTO**



SMD Auto COG, Ceramic, 18 pF, 5%, 25 VDC, COG, 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<br>Loss, Automotive Grade |
| Features:           | Ultra-Stable, Low Loss,<br>Automotive Grade            |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Qualifications:     | AEC-Q200   |
| AEC-Q200:           | Yes  |
| Chip Size:          | 0603   |
| Shelf Life:         | 78 Weeks   |
| MSL:                | 1  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 18 pF               |  |
| Capacitance Tolerance:              | 5%                  |  |
| Voltage DC:                         | 25 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 62.5 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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