## KEMET Part Number: C0805C300J5GACTU

(C0805C300J5GAC7800)



SMD Comm COG, Ceramic, 30 pF, 5%, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0805



| Dimensions |                  |  |
|------------|------------------|--|
| L          | 2mm +/-0.2mm     |  |
| W          | 1.25mm +/-0.2mm  |  |
| Т          | 0.78mm +/-0.10mm |  |
| S          | 0.75mm MIN       |  |
| В          | 0.5mm +/-0.25mm  |  |

| Packaging Specifications |                        |  |
|--------------------------|------------------------|--|
| Packaging:               | T&R, 180mm, Paper Tape |  |
| Packaging Quantity:      | 4000                   |  |

| General Information |   |  |
|---------------------|---|--|
| Series:             | SMD Comm C0G  |  |
| Style:              | SMD Chip  |  |
| Description:        | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I           |  |
| Features:           | Ultra-Stable, Low Loss, Class I                         |  |
| RoHS:               | Yes   |  |
| Termination:        | Tin   |  |
| Marking:            | No  |  |
| AEC-Q200:           | No  |  |
| Miscellaneous:      | Note: KEMET 50V rated parts may be operated at 63 Volts |  |
| Chip Size:          | 0805  |  |
| Shelf Life:         | 78 Weeks  |  |
| MSL:                | 1   |  |

| Specifications  |                        |  |
|---|------------------------|--|
| Capacitance:  | 30 pF, 1MHz 1.0Vrms    |  |
| Capacitance Tolerance:  | 5%                     |  |
| Voltage DC:   | 50 VDC                 |  |
| Dielectric Withstanding<br>Voltage:                                 | 125 VDC                |  |
| Temperature Range:  | -55/+125°C             |  |
| Temperature Coefficient:  | COG                    |  |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1MHz 1.0Vrms |  |
| Dissipation Factor:   | 0.10% 1MHz 1.0Vrms     |  |
| Aging Rate:   | 0% Loss/Decade Hour    |  |
| Insulation Resistance:  | 100 GOhms              |  |

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