## KEMET Part Number: C0402C680J5GACTU

(C0402C680J5GAC7867)



SMD Comm COG, Ceramic, 68 pF, 5%, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| Т          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| В          | 0.3mm +/-0.1mm  |

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

| General Information |   |
|---------------------|---|
| Supplier:           | KEMET   |
| 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  |
| Miscellaneous:      | Note: KEMET 50V rated parts may be operated at 63 Volts |
| Chip Size:          | 0402  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 68 pF               |  |
| Capacitance Tolerance:              | 5%                  |  |
| 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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