

SMD Comm COG HV, Ceramic, 0.012 uF, 5%, 500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



| General Information |  |
|---------------------|--|
| Series:             | SMD Comm COG HV                            |
| Style:              | SMD Chip                                   |
| Description:        | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Features:           | Ultra-Stable, Low Loss, Class I            |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| AEC-Q200:           | No   |
| Shelf Life:         | 78 Weeks                                   |
| MSL:                | 1  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| T          | 1.6mm +/-0.15mm |
| B          | 0.5mm +/-0.25mm |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Bag |
| Packaging Quantity:      | 1         |

| Specifications  |                        |
|---|------------------------|
| Capacitance:  | 0.012 uF               |
| Measurement Condition:  | 1 kHz 1.0Vrms          |
| Capacitance Tolerance:  | 5%                     |
| Voltage DC:   | 500 VDC                |
| Dielectric Withstanding Voltage:                                    | 750 VDC                |
| Temperature Range:  | -55/+125°C             |
| Temperature Coefficient:  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor:   | 0.1% 1kHz 1.0Vrms      |
| Aging Rate:   | 0% Loss/Decade Hour    |
| Insulation Resistance:  | 83.333 GOhms           |

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