## KEMET Part Number: C1206C182G1GACTU

(C1206C182G1GAC7800)



## SMD Comm C0G, Ceramic, 1800 pF, 2%, 100 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 3.2mm +/-0.2mm  |  |
| W          | 1.6mm +/-0.2mm  |  |
| Т          | 1mm +/-0.10mm   |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2500                     |  |

| 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  |
| Chip Size:          | 1206  |
| Shelf Life:         | 78 Weeks                                      |
| MSL:                | 1   |

| Specifications  |                        |  |
|---|------------------------|--|
| Capacitance:  | 1800 pF, 1kHz 1.0Vrms  |  |
| Capacitance Tolerance:  | 2%                     |  |
| Voltage DC:   | 100 VDC                |  |
| Dielectric Withstanding<br>Voltage:                                       | 250 VDC                |  |
| Temperature Range:  | -55/+125°C             |  |
| Temperature Coefficient:  | COG                    |  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC): | 30 ppm/C, 1kHz 1.0Vrms |  |
| Dissipation Factor:   | 0.10% 1kHz 1.0Vrms     |  |
| Aging Rate:   | 0% Loss/Decade Hour    |  |
| Insulation Resistance:  | 100 GOhms              |  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.





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