## **KEMET Part Number: C1812C820JCGACTU**

(C1812C820JCGAC7800)



SMD Comm COG HV, Ceramic, 82 pF, 5%, 500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1812



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 4.5mm +/-0.3mm  |  |
| W          | 3.2mm +/-0.3mm  |  |
| Т          | 1mm +/-0.10mm   |  |
| В          | 0.6mm +/-0.35mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 1000                     |  |

| General Information |   |
|---------------------|---|
| Supplier:           | KEMET   |
| Series:             | SMD Comm C0G HV                               |
| 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  |
| Chip Size:          | 1812  |
| Shelf Life:         | 78 Weeks                                      |
| MSL:                | 1   |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 82 pF               |  |
| Capacitance Tolerance:              | 5%                  |  |
| Voltage DC:                         | 500 VDC             |  |
| Dielectric Withstanding<br>Voltage: | 750 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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