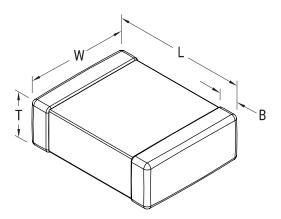
## **KEMET Part Number: C1206C104K5JACTU**

(C1206C104K5JAC7800)



SMD Comm U2J, Ceramic, 0.1 uF, 10%, 50 VDC, U2J, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 1206            |  |
| L          | 3.2mm +/-0.2mm  |  |
| W          | 1.6mm +/-0.2mm  |  |
| Т          | 1.2mm +/-0.15mm |  |
| В          | 0.5mm +/-0.25mm |  |

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

| General Information |                                               |
|---------------------|-----------------------------------------------|
| Series:             | SMD Comm U2J                                  |
| 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                                            |
| Component Weight:   | 30 mg                                         |
| Shelf Life:         | 78 Weeks                                      |
| MSL:                | 1                                             |

| Specifications                                                      |                                                      |
|---------------------------------------------------------------------|------------------------------------------------------|
| Capacitance:                                                        | 0.1 uF                                               |
| Measurement Condition:                                              | 1 kHz 1.0Vrms                                        |
| Capacitance Tolerance:                                              | 10%                                                  |
| Voltage DC:                                                         | 50 VDC                                               |
| Dielectric Withstanding<br>Voltage:                                 | 125 VDC                                              |
| Temperature Range:                                                  | -55/+125°C                                           |
| Temperature Coefficient:                                            | U2J                                                  |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | -750+/-120 ppm/C, 1kHz<br>1.0Vrms                    |
| Dissipation Factor:                                                 | 0.1% 1 kHz 1.0Vrms                                   |
| Aging Rate:                                                         | 0.1% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance:                                              | 10 GOhms                                             |

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