

**KEMET Part Number: C1812C474J5JACTU**  
(C1812C474J5JAC7800)



SMD Comm U2J, Ceramic, 0.47 uF, 5%, 50 VDC, U2J, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1812



**Dimensions**

| Chip Size |  | 1812            |
|-----------|--|-----------------|
| <b>L</b>  |  | 4.5mm +/-0.3mm  |
| <b>W</b>  |  | 3.2mm +/-0.3mm  |
| <b>T</b>  |  | 1.7mm +/-0.20mm |
| <b>B</b>  |  | 0.6mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 1000                     |

**General Information**

|                          |  |
|--------------------------|--|
| <b>Series:</b>           | SMD Comm U2J                               |
| <b>Style:</b>            | SMD Chip                                   |
| <b>Description:</b>      | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| <b>Features:</b>         | Ultra-Stable, Low Loss, Class I            |
| <b>RoHS:</b>             | Yes  |
| <b>Termination:</b>      | Tin  |
| <b>Marking:</b>          | No   |
| <b>AEC-Q200:</b>         | No   |
| <b>Component Weight:</b> | 87 mg                                      |
| <b>Shelf Life:</b>       | 78 Weeks                                   |
| <b>MSL:</b>              | 1  |

**Specifications**

|  |  |
|--|--|
| <b>Capacitance:</b>  | 0.47 uF  |
| <b>Measurement Condition:</b>  | 1 kHz 1.0Vrms  |
| <b>Capacitance Tolerance:</b>  | 5%   |
| <b>Voltage DC:</b>   | 50 VDC   |
| <b>Dielectric Withstanding Voltage:</b>                                    | 125 VDC  |
| <b>Temperature Range:</b>  | -55/+125°C   |
| <b>Temperature Coefficient:</b>  | U2J  |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | -750+/-120 ppm/C, 1kHz 1.0Vrms                       |
| <b>Dissipation Factor:</b>   | 0.1% 1 kHz 1.0Vrms                                   |
| <b>Aging Rate:</b>   | 0.1% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| <b>Insulation Resistance:</b>  | 2.1277 GOhms   |

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