



Click [here](#) for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 0402            |
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| T          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| B          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging                | T&R, 180mm, Paper Tape |
| Packaging Quantity       | 10000                  |

| General Information |  |
|---------------------|--|
| Series              | SMD Comm U2J                               |
| 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   |
| Component Weight    | 1.06 mg                                    |
| Shelf Life          | 78 Weeks                                   |
| MSL                 | 1  |

| Specifications   |   |
|--|---|
| Capacitance  | 470 pF  |
| Measurement Condition  | 1 MHz 1.0Vrms                                     |
| Capacitance Tolerance  | 2%  |
| Voltage DC   | 10 VDC  |
| Dielectric Withstanding Voltage                                    | 25 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, 1MHz 1.0Vrms                    |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms                                |
| Aging Rate   | 0.1% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms   |