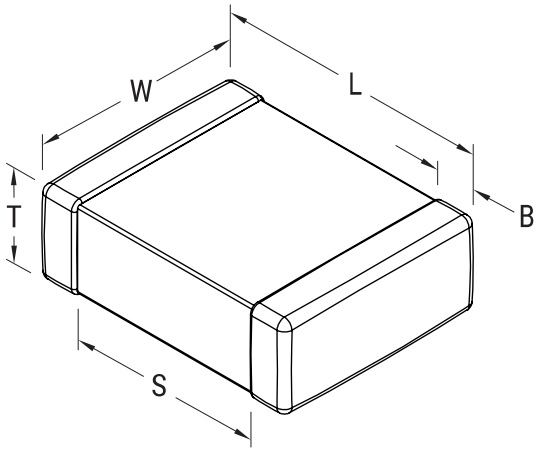
# C0402C182J5JACTU

Aliases (C0402C182J5JAC7867)

SMD Comm U2J, Ceramic, 1,800 pF, 5%, 50 VDC, U2J, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0.3 mm, 0402 / 1005




Click here for the 3D model.

| 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 |
| Typical Component Weight | 1.06 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|---|---|
| L | 1mm +/-0.05mm |
| W | 0.5mm +/-0.05mm |
| T | 0.5mm +/-0.05mm |
| S | 0.3mm MIN |
| B | 0.3mm +/-0.1mm |
| Case Code (EIA / mm) | 0402 / 1005 |

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

| Specifications | |
|---|---|
| Capacitance | 1,800 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 5% |
| Voltage DC | 50 VDC |
| Dielectric Withstanding Voltage | 125 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | U2J |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | -750+/-120 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor | 0.1% 1 kHz 1.0Vrms |
| Aging Rate | 0.1% Loss/Decade Hour: Referee Time is 1000 Hours |
| 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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