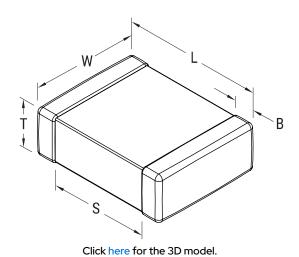


## C0805C822JARACTU

Aliases (C0805C822JARAC7800) SMD Comm X7R, Ceramic, 8,200 pF, 5%, 250 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805, 0.7 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm X7R                               |
| Style                    | SMD Chip                                   |
| Description              | SMD, MLCC, Temperature<br>Stable, Class II |
| Features                 | Temperature Stable, Class II               |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 11 mg                                      |
| Shelf Life               | 78 Weeks                                   |
| MSL                      | 1  |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| т          | 0.78mm +/-0.10mm |
| S          | 0.7mm MIN        |
| В          | 0.5mm +/-0.25mm  |
|            |                  |

## Packaging Specifications Packaging

Packaging Quantity

T&R, 180mm, Paper Tape 4000

| Specifications   |  |
|--|--|
| Capacitance  | 8,200 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 5%   |
| Voltage DC   | 250 VDC  |
| Dielectric Withstanding Voltage  | 625 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 2.5%1kHz1.0Vrms                                    |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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