

## C0402C330J4RACTU

Aliases (C0402C330J4RAC7867)

SMD Comm X7R, Ceramic, 33 pF, 5%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402, 0.3 mm



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

### General Information

|                          |                                         |
|--------------------------|-----------------------------------------|
| Series                   | SMD Comm X7R                            |
| Style                    | SMD Chip                                |
| Description              | SMD, MLCC, Temperature Stable, Class II |
| Features                 | Temperature Stable, Class II            |
| RoHS                     | Yes                                     |
| Termination              | Tin                                     |
| Marking                  | No                                      |
| AEC-Q200                 | No                                      |
| Typical Component Weight | 1.21 mg                                 |
| Shelf Life               | 78 Weeks                                |
| MSL                      | 1                                       |

### Specifications

|                                                                    |                                               |
|--------------------------------------------------------------------|-----------------------------------------------|
| Capacitance                                                        | 33 pF                                         |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                 |
| Tolerance                                                          | 5%                                            |
| Voltage DC                                                         | 16 VDC                                        |
| Dielectric Withstanding Voltage                                    | 40 VDC                                        |
| Temperature Range                                                  | -55/+125°C                                    |
| Temp. Coefficient                                                  | X7R                                           |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                             |
| Dissipation Factor                                                 | 3.5% 1 kHz 1.0Vrms                            |
| Aging Rate                                                         | 3% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance                                              | 100 GOhms                                     |

### 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                  |

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