

C0603C225K9PACTU

Aliases (C0603C225K9PAC7867)

SMD Comm X5R, Ceramic, 2.2 uF, 10%, 6.3 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 0603



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.10mm  |
| S          | 0.7mm MIN        |
| В          | 0.35mm +/-0.15mm |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging                | T&R, 180mm, Paper Tape |
| Packaging Quantity       | 4000                   |

| General Information |   |
|---------------------|---|
| Series              | SMD Comm X5R                            |
| Style               | SMD Chip                                |
| Description         | SMD, MLCC, Temperature Stable, Class II |
| Features            | Temperature Stable, Class II            |
| RoHS                | Yes                                     |
| Termination         | Tin                                     |
| Marking             | No                                      |
| AEC-Q200            | No                                      |
| Component Weight    | 6.5 mg                                  |
| Shelf Life          | 78 Weeks                                |
| MSL                 | 1                                       |

| Specifications  |  |
|---|--|
| Capacitance   | 2.2 uF   |
| Measurement Condition   | 1 kHz 1.0Vrms                                    |
| Capacitance Tolerance   | 10%  |
| Voltage DC  | 6.3 VDC  |
| Dielectric Withstanding Voltage                                       | 15.75 VDC  |
| Temperature Range   | -55/+85°C  |
| Temperature Coefficient   | X5R  |
| Capacitance Change with Reference<br>to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 0.5Vrms                                |
| Dissipation Factor  | 10% 1 kHz 1.0Vrms                                |
| Aging Rate  | 5% Loss/Decade Hour:<br>Referee Time is 48 Hours |
| Insulation Resistance   | 45.5 MOhms                                       |

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