



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 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                                      |
| Component Weight    | 1210 ug                                 |
| Shelf Life          | 78 Weeks                                |
| MSL                 | 1                                       |

| Specifications   |   |
|--|---|
| Capacitance  | 30 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 5%  |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -55/+125°C                                      |
| Temperature Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 3.5% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

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