



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

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| T          | 1.25mm +/-0.15mm |
| S          | 0.75mm MIN       |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic 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    | 21 mg                                   |
| Shelf Life          | 78 Weeks                                |
| MSL                 | 1                                       |

| Specifications                                                     |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 0.33 uF                                         |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance                                              | 20%                                             |
| Voltage DC                                                         | 25 VDC                                          |
| Dielectric Withstanding Voltage                                    | 62.5 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                                              | 1.5152 GOhms                                    |