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**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                                      |
| Typical Component Weight | 41 mg                                   |
| Shelf Life               | 78 Weeks                                |
| MSL                      | 1                                       |

**Specifications**

|  |   |
|--|---|
| Capacitance  | 22 uF   |
| Measurement Condition  | 120 Hz 0.5Vrms                                |
| Tolerance  | 20%   |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -55/+85°C                                     |
| Temp. Coefficient  | X5R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 120Hz 0.5Vrms                            |
| Dissipation Factor   | 10% 120 Hz 0.5Vrms                            |
| Aging Rate   | 5% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance  | 4.5 MOhms                                     |

| Dimensions           |                     |
|----------------------|---------------------|
| L                    | 3.2mm +/-0.3mm      |
| W                    | 1.6mm +/-0.3mm      |
| T                    | 1.6mm +/-0.20mm     |
| S                    | 1.5mm MIN           |
| B                    | 0.5mm +0.35/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216         |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 8000                     |

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