



Aliases (C0805S221K2RAC7800)

SMD Comm X7R FE, Ceramic, 220 pF, 10%, 200 VDC, X7R, SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable, 0805



Click here for the 3D model.

| Chip Size 0805 L 2mm +/-0.2mm W 1.25mm +/-0.2mm T 0.78mm +/-0.10mm S 0.75mm MIN B 0.5mm +/-0.25mm | Dimensions | |
|---|------------|------------------|
| W 1.25mm +/-0.2mm T 0.78mm +/-0.10mm S 0.75mm MIN | Chip Size | 0805 |
| T 0.78mm +/-0.10mm S 0.75mm MIN | L | 2mm +/-0.2mm |
| S 0.75mm MIN | W | 1.25mm +/-0.2mm |
| | Т | 0.78mm +/-0.10mm |
| B 0.5mm +/-0.25mm | S | 0.75mm MIN |
| | В | 0.5mm +/-0.25mm |

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

| General Information | |
|---------------------|--|
| Series | SMD Comm X7R FE |
| Style | SMD Chip |
| Description | SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable |
| Features | FE-CAP, Floating Electrode, Temperature Stable |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| AEC-Q200 | No |
| Component Weight | 11 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|---|--|
| Capacitance | 220 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 10% |
| Voltage DC | 200 VDC |
| Dielectric Withstanding Voltage | 500 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 | 2.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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