

## C1808C152MFRAC7800

Aliases (C1808C152MFRAC7800)

SMD Comm X7R HV, Ceramic, 1500 pF, 20%, 1500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1808



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

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1808            |
| L          | 4.7mm +/-0.5mm  |
| W          | 2mm +/-0.2mm    |
| T          | 1.6mm +/-0.15mm |
| B          | 0.6mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 1000                     |

| General Information |                                             |
|---------------------|---------------------------------------------|
| Series              | SMD Comm X7R HV                             |
| Style               | SMD Chip                                    |
| Description         | SMD, MLCC, High Voltage, Temperature Stable |
| Features            | High Voltage                                |
| RoHS                | Yes                                         |
| Termination         | Tin                                         |
| Marking             | No                                          |
| AEC-Q200            | No                                          |
| Component Weight    | 100 mg                                      |
| Shelf Life          | 78 Weeks                                    |
| MSL                 | 1                                           |

| Specifications                                                     |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 1500 pF                                         |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance                                              | 20%                                             |
| Voltage DC                                                         | 1500 VDC                                        |
| Dielectric Withstanding Voltage                                    | 1800 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% 1kHz 1.0Vrms                               |
| Aging Rate                                                         | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 100 GOhms                                       |

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