

## C1808X104K5RACTU

Aliases (C1808X104K5RAC7800)

SMD Comm X7R Flex, Ceramic, 0.1 uF, 10%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 2.9 mm, 1808 / 4520



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

### General Information

|                          |                                       |
|--------------------------|---------------------------------------|
| Series                   | SMD Comm X7R Flex                     |
| Style                    | SMD Chip                              |
| Description              | SMD, MLCC, FT-CAP, Temperature Stable |
| Features                 | FT-CAP, Temperature Stable            |
| RoHS                     | Yes                                   |
| Termination              | Flexible Termination                  |
| Marking                  | No                                    |
| Typical Component Weight | 41 mg                                 |
| Shelf Life               | 78 Weeks                              |
| MSL                      | 1                                     |

### Specifications

|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 0.1 uF                                          |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                   |
| Tolerance                                                          | 10%                                             |
| Voltage DC                                                         | 50 VDC                                          |
| Dielectric Withstanding Voltage                                    | 125 VDC                                         |
| Temperature Range                                                  | -55/+125°C                                      |
| Temp. 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                                              | 10 GOhms                                        |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 4.7mm +/-0.5mm  |
| W                    | 2mm +/-0.2mm    |
| T                    | 0.9mm +/-0.10mm |
| S                    | 2.9mm MIN       |
| B                    | 0.7mm +/-0.35mm |
| Case Code (EIA / mm) | 1808 / 4520     |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2500                     |

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