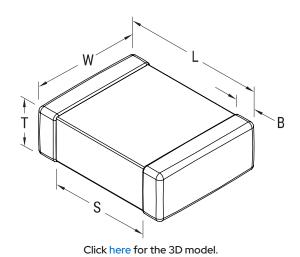


## C1206Y102K9RACTU

Aliases (C1206Y102K9RAC7800) SMD Comm X7R FF, Ceramic, 1,000 pF, 10%, 6.3 VDC, X7R, SMD, MLCC, FF-CAP, Floating Electrode, 1206, 1.5 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm X7R FF                          |
| Style                    | SMD Chip                                 |
| Description              | SMD, MLCC, FF-CAP, Floating<br>Electrode |
| Features                 | FF-CAP, Floating Electrode               |
| RoHS                     | Yes                                      |
| Termination              | Flexible Termination                     |
| Marking                  | No                                       |
| AEC-Q200                 | No                                       |
| Typical Component Weight | 17 mg                                    |
| Shelf Life               | 78 Weeks                                 |
| MSL                      | 1  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.3mm +/-0.4mm  |
| W          | 1.6mm +/-0.35mm |
| Т          | 0.78mm +/-0.2mm |
| S          | 1.5mm MIN       |
| В          | 0.6mm +/-0.25mm |
|            |                 |

|                          | •                        |
|--------------------------|--------------------------|
| S                        | 1.5mm MIN                |
| В                        | 0.6mm +/-0.25mm          |
|                          |                          |
| Packaging Specifications |                          |
| Packaging                | T&R, 180mm, Plastic Tape |

4000

Packaging Quantity

| Specifications   |  |
|--|--|
| Capacitance  | 1,000 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 6.3 VDC  |
| Dielectric Withstanding Voltage  | 15.75 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%  |
| Dissipation Factor   | 5% 1 kHz 1.0Vrms                                   |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

| Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - ar | nd  |
|--|-----|
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