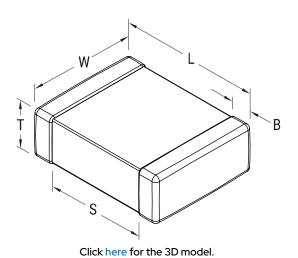


## C1206C910MBRACTU

Aliases (C1206C910MBRAC7800)

SMD Comm X7R HV, Ceramic, 91 pF, 20%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1206, 1.5 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm X7R HV                                |
| Style                    | SMD Chip                                       |
| Description              | SMD, MLCC, High Voltage,<br>Temperature Stable |
| Features                 | High Voltage                                   |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 25 mg  |
| Shelf Life               | 78 Weeks                                       |
| MSL                      | 1  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| Т          | 1mm +/-0.10mm   |
| S          | 1.5mm MIN       |
| В          | 0.5mm +/-0.25mm |
|            |                 |

|                          | •               |
|--------------------------|-----------------|
| Т                        | 1mm +/-0.10mm   |
| S                        | 1.5mm MIN       |
| В                        | 0.5mm +/-0.25mm |
|                          |                 |
| Packaging Specifications |                 |
| Packaging Specifications |                 |

| Specifications   |  |
|--|--|
| Capacitance  | 91 pF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 20%  |
| Voltage DC   | 630 VDC  |
| Dielectric Withstanding Voltage  | 945 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

| Packaging          | T&R, 180mm, Plastic Tape | Reference to +25°C and 0 VDC<br>Applied (TCC) |        |
|--------------------|--------------------------|---|--------|
| Packaging Quantity | 2500                     | Dissipation Factor 2                          | 2.5% 1 |
|                    |                          | 3 3 1 1                                       | 3% Lo  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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