

**KEMET Part Number: C1206C122K5RACTU**  
(C1206C122K5RAC7800)



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 1200 pF, +/-10% Tol, 50 V, X7R, 1206 (3216 metric)



CeramicChipSMDNoS  
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### General Information

|                                 |   |
|---------------------------------|---|
| <b>Supplier:</b>                | KEMET                                   |
| <b>Application:</b>             | Standard Chip                           |
| <b>Chip Size:</b>               | 1206 (3216 metric)                      |
| <b>Temperature Coefficient:</b> | X7R                                     |
| <b>Part Type Description:</b>   | SMD, MLCC, Temperature Stable, Class II |
| <b>Termination Type:</b>        | Tin (Sn)                                |
| <b>Marked:</b>                  | No                                      |
| <b>RoHS:</b>                    | Yes                                     |

### Dimensions (mm)

| Symbol   | Dimension | Tolerance |
|----------|-----------|-----------|
| <b>L</b> | 3.2       | +/-0.2    |
| <b>W</b> | 1.6       | +/-0.2    |
| <b>T</b> | 0.78      | +/-0.10   |
| <b>B</b> | 0.5       | +/-0.25   |

### Packaging Specifications

|                          |              |
|--------------------------|--------------|
| <b>Package Kind:</b>     | T&R          |
| <b>Package Size:</b>     | 7 in/180 mm  |
| <b>Package Type:</b>     | Plastic Tape |
| <b>Package Quantity:</b> | 4000         |

### Specifications

|                               |  |
|-------------------------------|--|
| <b>Capacitance:</b>           | 1200 pF  |
| <b>Voltage:</b>               | 50 V   |
| <b>Tolerance:</b>             | +/-10%   |
| <b>Temperature Range:</b>     | -55/+125C  |
| <b>Dissipation Factor:</b>    | 2.5%   |
| <b>Failure Rate:</b>          | N/A  |
| <b>Aging Rate:</b>            | 3% loss/decade hour  |
| <b>Insulation Resistance:</b> | 100 GOhm   |
| <b>Dielectric Strength:</b>   | 125 V  |
| <b>Miscellaneous:</b>         | Note: Referee time for X7R dielectric for this part number is 1000 hours |

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