

KEMET Part Number: C0805C822K5RACTU
(C0805C822K5RAC7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 8200 pF, +/-10% Tol, 50 V, X7R, 0805 (2012 metric)



| General Information | |
|--------------------------|---|
| Supplier: | KEMET |
| Application: | Standard Chip |
| Chip Size: | 0805 (2012 metric) |
| Temperature Coefficient: | X7R |
| Part Type Description: | SMD, MLCC, Temperature Stable, Class II |
| Termination Type: | Tin (Sn) |
| Marked: | No |
| RoHS: | Yes |

| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| L | 2 | +/-0.2 |
| W | 1.25 | +/-0.2 |
| T | 0.78 | +/-0.10 |
| B | 0.5 | +/-0.25 |
| S | 0.75 | MIN |

| Specifications | |
|------------------------|--|
| Capacitance: | 8200 pF |
| Voltage: | 50 V |
| Tolerance: | +/-10% |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 2.5% |
| Failure Rate: | N/A |
| Aging Rate: | 3% loss/decade hour |
| Insulation Resistance: | 100 GOhm |
| Dielectric Strength: | 125 V |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Packaging Specifications | |
|--------------------------|--------------|
| Package Kind: | T&R |
| Package Size: | 7 in/180 mm |
| Package Type: | Plastic Tape |
| Package Quantity: | 4000 |