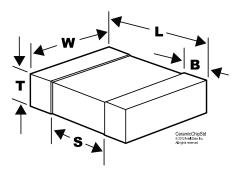
KEMET Part Number: C0805C105K5RACTU

(C0805C105K5RAC7800)



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 1 uF, +/-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 | |
| Т | 1.25 | +/-0.15 | |
| В | 0.5 | +/-0.25 | |
| S | 0.75 | MIN | |

| Packaging Specifications | | |
|--------------------------|--------------|--|
| Package Kind: | T&R | |
| Package Size: | 7 in/180 mm | |
| Package Type: | Plastic Tape | |
| Package Quantity: | 2500 | |

| Specifications | | |
|------------------------|--|--|
| Capacitance: | 1 uF | |
| Voltage: | 50 V | |
| Tolerance: | +/-10% | |
| Temperature Range: | -55/+125C | |
| Dissipation Factor: | 10% | |
| Failure Rate: | N/A | |
| Aging Rate: | 3% loss/decade hour | |
| Insulation Resistance: | 500 MOhm | |
| Dielectric Strength: | 125 V | |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 48 hours | |

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