

KEMET Part Number: C1210C105K5NACTU
(C1210C105K5NAC7800)

Capacitor, Ceramic, SMD, MLCC, High Temperature, Temperature Stable, 1 uF, +/-10% Tol, 50 V, X8L, 1210 (3225 metric)



| General Information | |
|--------------------------|---|
| Supplier: | KEMET |
| Application: | Standard Chip |
| Chip Size: | 1210 (3225 metric) |
| Temperature Coefficient: | X8L |
| Part Type Description: | SMD, MLCC, High Temperature, Temperature Stable |
| Termination Type: | Tin (Sn) |
| Marked: | No |
| RoHS: | Yes |

| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| L | 3.2 | +/-0.2 |
| W | 2.5 | +/-0.2 |
| T | 1.7 | +/-0.20 |
| B | 0.5 | +/-0.25 |

| Packaging Specifications | |
|--------------------------|--------------|
| Package Kind: | T&R |
| Package Size: | 7 in/180 mm |
| Package Type: | Plastic Tape |
| Package Quantity: | 2000 |

| Specifications | |
|------------------------|--|
| Capacitance: | 1 uF |
| Voltage: | 50 V |
| Tolerance: | +/-10% |
| Temperature Range: | -55/+150C |
| Dissipation Factor: | 2.5% |
| Failure Rate: | N/A |
| Aging Rate: | 3% loss/decade hour |
| Insulation Resistance: | 500 MOhm |
| Dielectric Strength: | 125 V |
| Miscellaneous: | Note: Referee time for X8L dielectric for this part number is 1000 hours |