

**KEMET Part Number: C1210C105J5NACTU**  
(C1210C105J5NAC7800)

Capacitor, Ceramic, SMD, MLCC, High Temperature, Temperature Stable, 1 uF, +/-5% 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:             | +/-5%  |
| 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 |