

Capacitor, Ceramic, SMD, MLCC, High Temperature, FT-Cap, 0.47 uF, +/-10% Tol, 50 V, X7R, 1206 (3216 metric)



| General Information      |                                     |
|--------------------------|-------------------------------------|
| Supplier:                | KEMET                               |
| Application:             | HiTemp175C                          |
| Chip Size:               | 1206 (3216 metric)                  |
| Temperature Coefficient: | X7R                                 |
| Part Type Description:   | SMD, MLCC, High Temperature, FT-Cap |
| Termination Type:        | Flexible Termination                |
| Marked:                  | No                                  |
| RoHS:                    | Yes                                 |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 3.3       | +/-0.4    |
| W               | 1.6       | +/-0.35   |
| T               | 1.7       | +/-0.20   |
| B               | 0.6       | +/-0.25   |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 0.47 uF  |
| Voltage:               | 50 V   |
| Tolerance:             | +/-10%   |
| Temperature Range:     | -55/+175C  |
| Dissipation Factor:    | 2.5%   |
| Failure Rate:          | N/A  |
| Aging Rate:            | 3% loss/decade hour  |
| Insulation Resistance: | 1.06 GOhm  |
| Dielectric Strength:   | 125 V  |
| Miscellaneous:         | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Packaging Specifications |          |
|--------------------------|----------|
| Package Kind:            | Cut Reel |
| Package Quantity:        | 250      |

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