

**KEMET Part Number: C0805C473J5RACTU**  
(C0805C473J5RAC7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 0.047 uF, +/-5% 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               | 0.8       | +/-0.10   |
| B               | 0.5       | +/-0.25   |
| S               | 0.75      | MIN       |

| Specifications         |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Capacitance:           | 0.047 uF                                                               |
| Voltage:               | 50 V                                                                   |
| Tolerance:             | +/-5%                                                                  |
| Temperature Range:     | -55/+125C                                                              |
| Dissipation Factor:    | 2.5%                                                                   |
| Failure Rate:          | N/A                                                                    |
| Aging Rate:            | 3% loss/decade hour                                                    |
| Insulation Resistance: | 10 GOhm                                                                |
| Dielectric Strength:   | 125 V                                                                  |
| Miscellaneous:         | Note: Referee time for X7R dielectric for this part number is 48 hours |

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