## KEMET Part Number: C0805C473K3RACTU

(C0805C473K3RAC7800)



## SMD Comm X7R, Ceramic, 0.047 uF, 10%, 25 V, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 2mm +/-0.2mm    |  |
| W          | 1.25mm +/-0.2mm |  |
| Т          | 0.8mm +/-0.10mm |  |
| S          | 0.75mm MIN      |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 4000                   |

| General Information |  |  |
|---------------------|--|--|
| Supplier:           | KEMET  |  |
| Series:             | SMD Comm X7R   |  |
| Style:              | SMD Chip   |  |
| Description:        | SMD, MLCC, Temperature<br>Stable, Class II                                   |  |
| Features:           | Temperature Stable, Class II   |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Marking:            | No   |  |
| Failure Rate:       | N/A  |  |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>48 hours |  |
| Chip Size:          | 0805   |  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 0.047 uF            |  |
| Capacitance Tolerance:              | 10%                 |  |
| Voltage DC:                         | 25 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 62.5 V              |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 3.5% 1kHz 25C       |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 21.277 GOhms        |  |

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