

KEMET Part Number: C0805R684K3RACTU
(C0805R684K3RAC7800)

SMD Indust X7R HT175C, Ceramic, 175C, 0.68 uF, 10%, 25 VDC, X7R, SMD, MLCC, High Temperature, FT-Cap, 0805



Dimensions

| Dimension | Value |
|-----------|------------------|
| L | 2mm +/-0.3mm |
| W | 1.25mm +/-0.3mm |
| T | 1.25mm +/-0.15mm |
| S | 0.75mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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|----------------------------|--------------------------|
| Packaging: | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 2500 |

General Information

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|-----------------------|--|
| Supplier: | KEMET |
| Series: | SMD Indust X7R HT175C |
| Style: | SMD Chip |
| Description: | SMD, MLCC, High Temperature, FT-Cap |
| Features: | FT-CAP, High Temperature |
| RoHS: | Yes |
| Termination: | Flexible Termination |
| Marking: | No |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Chip Size: | 0805 |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

Specifications

| | |
|---|---------------------|
| Capacitance: | 0.68 uF |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 25 VDC |
| Dielectric Withstanding Voltage: | 62.5 V |
| Temperature Range: | -55/+175C |
| Temperature Coefficient: | X7R |
| Dissipation Factor: | 3.50% 1kHz 25C |
| Aging Rate: | 3% Loss/Decade Hour |
| Insulation Resistance: | 735 MOhms |