KEMET Part Number: C0805C682K5RACTU

(C0805C682K5RAC7800)



Ceramic, Commercial-(CxxxxC), 6800 pF, 10%, 50 V, 0805, X7R, SMD, MLCC, Temperature Stable, Class II



| Dimensions | | |
|------------|------------------|--|
| L | 2mm +/-0.2mm | |
| W | 1.25mm +/-0.2mm | |
| Т | 0.78mm +/-0.10mm | |
| S | 0.75mm MIN | |
| В | 0.5mm +/-0.25mm | |

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

| General Information | | |
|---------------------|--|--|
| Style: | SMD Chip | |
| Series: | Commercial-(CxxxxC) | |
| Chip Size: | 0805 | |
| Description: | SMD, MLCC, Temperature Stable, Class II | |
| Features: | Temperature Stable, Class II | |
| RoHS: | Yes | |
| Termination: | Tin | |
| Marking: | No | |
| Failure Rate: | N/A | |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours | |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 6800 pF | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 50 VDC | |
| Dielectric Withstanding Voltage: | 125 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | X7R | |
| Dissipation Factor: | 2.5% | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 100 GOhms | |

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