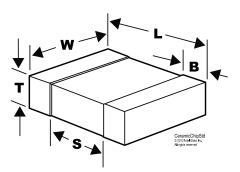
KEMET Part Number: C0603C683K5RACTU

(C0603C683K5RAC7867)



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 0.068 uF, +/-10% Tol, 50 V, X7R, 0603 (1608 metric)



| General Information | | |
|--------------------------|--|--|
| Supplier: | KEMET | |
| Application: | Standard Chip | |
| Chip Size: | 0603 (1608 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 | 1.6 | +/-0.15 |
| W | 0.8 | +/-0.15 |
| Т | 0.8 | +/-0.07 |
| В | 0.35 | +/-0.15 |
| S | 0.7 | MIN |

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

| Specifications | | |
|------------------------|--|--|
| Capacitance: | 0.068 uF | |
| Voltage: | 50 V | |
| Tolerance: | +/-10% | |
| Temperature Range: | -55/+125C | |
| Dissipation Factor: | 2.5% | |
| Failure Rate: | N/A | |
| Aging Rate: | 3% loss/decade hour | |
| Insulation Resistance: | 7.35 GOhm | |
| Dielectric Strength: | 125 V | |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours | |

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