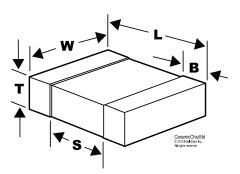
KEMET Part Number: C0805C182K1RACAUTO



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Automotive Grade, 1800 pF, +/-10% Tol, 100 V, X7R, 0805 (2012 metric)



| General Information | |
|--------------------------|--|
| Supplier: | KEMET |
| Application: | Automotive (AEC-Q200 Qualified) |
| Chip Size: | 0805 (2012 metric) |
| Temperature Coefficient: | X7R |
| Part Type Description: | SMD, MLCC, Temperature Stable, Automotive Grade |
| Termination Type: | Tin (Sn) |
| Marked: | No |
| RoHS: | Yes |

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

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

| Specifications | |
|------------------------|--|
| Capacitance: | 1800 pF |
| Voltage: | 100 V |
| Tolerance: | +/-10% |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 2.5% |
| Failure Rate: | N/A |
| Aging Rate: | 3% loss/decade hour |
| Insulation Resistance: | 100 GOhm |
| Dielectric Strength: | 250 V |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |

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