## KEMET Part Number: CAN06X102KARAC



## CAN SMD Indust 250, Ceramic, 1000 pF, 10%, X7R, SMD Chip, MLCC, AC Rated, 0603



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 0603             |  |
| L          | 1.6mm +/-0.17mm  |  |
| W          | 0.8mm +/-0.15mm  |  |
| Т          | 0.8mm +/-0.10mm  |  |
| S          | 0.58mm MIN       |  |
| В          | 0.45mm +/-0.15mm |  |

| Packaging Specifications |           |  |
|--------------------------|-----------|--|
| Packaging:               | Bulk, Bag |  |
| Packaging Quantity:      | 1         |  |

| General Information |   |
|---------------------|---|
| Series:             | CAN SMD Indust 250  |
| Style:              | SMD Chip  |
| Description:        | SMD Chip, MLCC, AC Rated  |
| Features:           | Temperature Stable, Class II  |
| RoHS:               | Yes   |
| Termination:        | Flexible Termination  |
| Marking:            | No  |
| AEC-Q200:           | No  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours. |
| MSL:                | 1   |

| Specifications  |                     |
|---|---------------------|
| Capacitance:  | 1000 pF             |
| Measurement Condition:  | 1 kHz 1.0Vrms       |
| Capacitance Tolerance:  | 10%                 |
| Voltage AC:   | 250 VAC             |
| Dielectric Withstanding<br>Voltage:                                       | 945 VDC             |
| Temperature Range:  | -55/+125°C          |
| Temperature Coefficient:  | X7R                 |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC): | 15%, 1kHz 1.0Vrms   |
| Dissipation Factor:   | 2.5% 1 kHz 1.0Vrms  |
| Aging Rate:   | 3% Loss/Decade Hour |
| Insulation Resistance:  | 10 GOhms            |

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