## **KEMET Part Number: CAN06C122MARAC**



## CAN SMD Indust 250, Ceramic, 1200 pF, 20%, X7R, SMD Chip, MLCC, AC Rated, 0603



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 0603             |  |
| L          | 1.6mm +/-0.15mm  |  |
| W          | 0.8mm +/-0.15mm  |  |
| Т          | 0.8mm +/-0.10mm  |  |
| S          | 0.7mm MIN        |  |
| В          | 0.35mm +/-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:        | Tin   |
| Marking:            | No  |
| AEC-Q200:           | No  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours. |
| MSL:                | 1   |

| Specifications  |                     |
|---|---------------------|
| Capacitance:  | 1200 pF             |
| Measurement Condition:  | 1 kHz 1.0Vrms       |
| Capacitance Tolerance:  | 20%                 |
| Voltage AC:   | 250 VAC             |
| Dielectric Withstanding<br>Voltage:                                 | 945 VDC             |
| Temperature Range:  | -55/+125°C          |
| Temperature Coefficient:  | X7R                 |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms   |
| Dissipation Factor:   | 2.5% 1 kHz 1.0Vrms  |
| Aging Rate:   | 3% Loss/Decade Hour |
| Insulation Resistance:  | 8.333 GOhms         |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



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