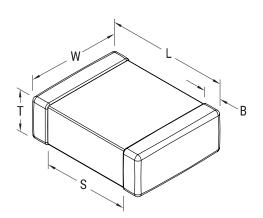
## KEMET Part Number: C0805S223K1RAC



SMD Comm X7R FE, Ceramic, 0.022 uF, 10%, 100 VDC, X7R, SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable, 0805



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 0805            |  |
| L          | 2mm +/-0.2mm    |  |
| W          | 1.25mm +/-0.2mm |  |
| Т          | 0.9mm +/-0.10mm |  |
| S          | 0.75mm MIN      |  |
| В          | 0.5mm +/-0.25mm |  |

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

| General Information |  |
|---------------------|--|
| Series:             | SMD Comm X7R FE  |
| Style:              | SMD Chip   |
| Description:        | SMD, MLCC, FE-CAP, Floating<br>Electrode, Temperature Stable |
| Features:           | FE-CAP, Floating Electrode,<br>Temperature Stable            |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| AEC-Q200:           | No   |
| Component Weight:   | 13 mg  |
| Shelf Life:         | 78 Weeks   |
| MSL:                | 1  |

| Specifications  |  |
|---|--|
| Capacitance:  | 0.022 uF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:  | 10%  |
| Voltage DC:   | 100 VDC  |
| Dielectric Withstanding<br>Voltage:                                       | 250 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: Referee<br>Time is 1000 Hours |
| Insulation Resistance:  | 45.4545 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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