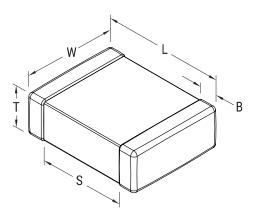
## **KEMET Part Number: C0603X472M1RAC**



## SMD Comm X7R Flex, Ceramic, 4700 pF, 20%, 100 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0603



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

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

| General Information |                                          |  |
|---------------------|------------------------------------------|--|
| Series:             | SMD Comm X7R Flex                        |  |
| Style:              | SMD Chip                                 |  |
| Description:        | SMD, MLCC, FT-CAP,<br>Temperature Stable |  |
| Features:           | FT-CAP, Temperature Stable               |  |
| RoHS:               | Yes                                      |  |
| Termination:        | Flexible Termination                     |  |
| Marking:            | No                                       |  |
| AEC-Q200:           | No                                       |  |
| Component Weight:   | 7300 ug                                  |  |
| Shelf Life:         | 78 Weeks                                 |  |
| MSL:                | 1                                        |  |

| Specifications                                                      |                                                    |
|---------------------------------------------------------------------|----------------------------------------------------|
| Capacitance:                                                        | 4700 pF                                            |
| Measurement Condition:                                              | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:                                              | 20%                                                |
| Voltage DC:                                                         | 100 VDC                                            |
| Dielectric Withstanding<br>Voltage:                                 | 250 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: Referee<br>Time is 1000 Hours |
| Insulation Resistance:                                              | 100 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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