## KEMET Part Number: C0603X561J1RACTU

(C0603X561J1RAC7867)



## SMD Comm X7R Flex, Ceramic, 560 pF, 5%, 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:               | T&R, 180mm, Paper Tape |  |
| Packaging Quantity:      | 4000                   |  |

| 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:  | 560 pF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:  | 5%   |
| 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:  | 100 GOhms  |

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