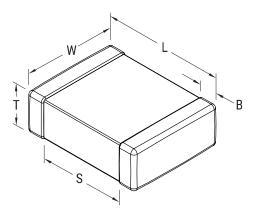
## KEMET Part Number: C0603Y183K3RAC



## SMD Comm X7R FF, Ceramic, 0.018 uF, 10%, 25 VDC, X7R, SMD, MLCC, FF-CAP, Floating Electrode, 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 FF                       |  |
| Style:              | SMD Chip                              |  |
| Description:        | SMD, MLCC, FF-CAP, Floating Electrode |  |
| Features:           | FF-CAP, Floating Electrode            |  |
| RoHS:               | Yes                                   |  |
| Termination:        | Flexible Termination                  |  |
| Marking:            | No                                    |  |
| AEC-Q200:           | No                                    |  |
| Component Weight:   | 7300 ug                               |  |
| Shelf Life:         | 78 Weeks                              |  |
| MSL:                | 1                                     |  |

| Specifications  |  |  |
|---|--|--|
| Capacitance:  | 0.018 uF   |  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |  |
| Capacitance Tolerance:  | 10%  |  |
| Voltage DC:   | 25 VDC   |  |
| Dielectric Withstanding<br>Voltage:                                 | 62.5 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:   | 3.5% 1 kHz 1.0Vrms                                 |  |
| Aging Rate:   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |  |
| Insulation Resistance:  | 55.5556 GOhms                                      |  |

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