## KEMET Part Number: C1812X105K1RACTU

(C1812X105K1RAC7800)



## SMD Comm X7R Flex, Ceramic, 1 uF, 10%, 100 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1812



| Dimensions |                  |
|------------|------------------|
| L          | 4.5mm +/-0.4mm   |
| W          | 3.2mm +/-0.3mm   |
| Т          | 1.55mm +/-0.10mm |
| В          | 0.7mm +/-0.35mm  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 1000                     |  |

| General Information |  |
|---------------------|--|
| Supplier:           | KEMET  |
| 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   |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |
| Chip Size:          | 1812   |

| Specifications                      |                     |
|-------------------------------------|---------------------|
| Capacitance:                        | 1 uF                |
| Capacitance Tolerance:              | 10%                 |
| Voltage DC:                         | 100 VDC             |
| Dielectric Withstanding<br>Voltage: | 250 V               |
| Temperature Range:                  | -55/+125C           |
| Temperature Coefficient:            | X7R                 |
| Dissipation Factor:                 | 2.50% 1kHz 25C      |
| Aging Rate:                         | 3% Loss/Decade Hour |
| Insulation Resistance:              | 1 GOhms             |

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