## KEMET Part Number: C0805X106M8RACTU

(C0805X106M8RAC7800)



## SMD Comm X7R Flex, Ceramic, 10 uF, 20%, 10 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0805



| Dimensions |                  |
|------------|------------------|
| L          | 2mm +/-0.35mm    |
| W          | 1.25mm +/-0.3mm  |
| Т          | 1.25mm +/-0.20mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2500                     |  |

| 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>48 hours |  |
| Chip Size:          | 0805   |  |
| Shelf Life:         | 78 Weeks   |  |
| MSL:                | 1  |  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 10 uF               |  |
| Capacitance Tolerance:              | 20%                 |  |
| Voltage DC:                         | 10 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 25 VDC              |  |
| Temperature Range:                  | -55/+125°C          |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 10.00% 1kHz 25C     |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 10 MOhms            |  |

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