## KEMET Part Number: C0402C103J3RACTU

(C0402C103J3RAC7867)



SMD Comm X7R, Ceramic, 0.01 uF, 5%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| Т          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| В          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |  |
|--------------------------|------------------------|--|
| Packaging:               | T&R, 180mm, Paper Tape |  |
| Packaging Quantity:      | 10000                  |  |

| General Information |  |  |
|---------------------|--|--|
| Supplier:           | KEMET  |  |
| Series:             | SMD Comm X7R   |  |
| Style:              | SMD Chip   |  |
| Description:        | SMD, MLCC, Temperature<br>Stable, Class II                                   |  |
| Features:           | Temperature Stable, Class II   |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Marking:            | No   |  |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>48 hours |  |
| Chip Size:          | 0402   |  |
| Shelf Life:         | 78 Weeks   |  |
| MSL:                | 1  |  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 0.01 uF             |  |
| Capacitance Tolerance:              | 5%                  |  |
| Voltage DC:                         | 25 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 62.5 VDC            |  |
| Temperature Range:                  | -55/+125°C          |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 3.50% 1kHz 25C      |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 100 GOhms           |  |

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