

**KEMET Part Number: C0201C103K4PACTU**  
(C0201C103K4PAC7867)

SMD Comm X5R, Ceramic, 0.01 uF, 10%, 16 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 0201



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0201             |
| L          | 0.6mm +/-0.03mm  |
| W          | 0.3mm +/-0.03mm  |
| T          | 0.3mm +/-0.03mm  |
| B          | 0.15mm +/-0.05mm |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 15000                  |

| General Information |   |
|---------------------|---|
| Series:             | SMD Comm X5R                            |
| Style:              | SMD Chip                                |
| Description:        | SMD, MLCC, Temperature Stable, Class II |
| Features:           | Temperature Stable, Class II            |
| RoHS:               | Yes                                     |
| Termination:        | Tin                                     |
| Marking:            | No                                      |
| AEC-Q200:           | No                                      |
| Component Weight:   | 320 ug                                  |
| Shelf Life:         | 78 Weeks                                |
| MSL:                | 1                                       |

| Specifications  |   |
|---|---|
| Capacitance:  | 0.01 uF                                       |
| Measurement Condition:  | 1 kHz 1.0Vrms                                 |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 16 VDC  |
| Dielectric Withstanding Voltage:                                    | 40 VDC  |
| Temperature Range:  | -55/+85°C                                     |
| Temperature Coefficient:  | X5R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms                             |
| Dissipation Factor:   | 5% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 5% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance:  | 10 GOhms                                      |

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