

**KEMET Part Number: C0402C104K3PACTU**  
(C0402C104K3PAC7867)

SMD Comm X5R, Ceramic, 0.1 uF, 10%, 25 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 0402



**Dimensions**

| Chip Size |                 |
|-----------|-----------------|
| Chip Size | 0402            |
| L         | 1mm +/-0.05mm   |
| W         | 0.5mm +/-0.05mm |
| T         | 0.5mm +/-0.05mm |
| S         | 0.3mm MIN       |
| B         | 0.3mm +/-0.1mm  |

**Packaging Specifications**

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

**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: | 1210 ug                                 |
| Shelf Life:       | 78 Weeks                                |
| MSL:              | 1                                       |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 0.1 uF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                 |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 25 VDC  |
| Dielectric Withstanding Voltage:                                    | 62.5 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:  | 5 GOhms                                       |