

**KEMET Part Number: C1210C186K4PACTU**  
(C1210C186K4PAC7800)

SMD Comm X5R, Ceramic, 18 uF, 10%, 16 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 1210



**Dimensions**

| Chip Size | 1210             |
|-----------|------------------|
| L         | 3.2mm +/-0.2mm   |
| W         | 2.5mm +/-0.2mm   |
| T         | 1.55mm +/-0.15mm |
| B         | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                     |                          |
|---------------------|--------------------------|
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 2000                     |

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

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 18 uF   |
| Measurement Condition:  | 120 Hz 0.5Vrms                                  |
| 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%, 120Hz 0.5Vrms                              |
| Dissipation Factor:   | 10% 120Hz 0.5Vrms                               |
| Aging Rate:   | 5% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 6 MOhms   |