

**KEMET Part Number: C1210C562KDRACTU**  
(C1210C562KDRAC7800)

SMD Comm X7R HV, Ceramic, 5600 pF, 10%, 1000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1210



| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.2mm +/-0.2mm  |
| W          | 2.5mm +/-0.2mm  |
| T          | 1.4mm +/-0.15mm |
| B          | 0.5mm +/-0.25mm |

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

| General Information |                                             |
|---------------------|---------------------------------------------|
| Series:             | SMD Comm X7R HV                             |
| Style:              | SMD Chip                                    |
| Description:        | SMD, MLCC, High Voltage, Temperature Stable |
| Features:           | High Voltage                                |
| RoHS:               | Yes                                         |
| Termination:        | Tin                                         |
| Marking:            | No                                          |
| AEC-Q200:           | No                                          |
| Shelf Life:         | 78 Weeks                                    |
| MSL:                | 1                                           |

| Specifications                                                      |                                                 |
|---------------------------------------------------------------------|-------------------------------------------------|
| Capacitance:                                                        | 5600 pF                                         |
| Measurement Condition:                                              | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:                                              | 10%                                             |
| Voltage DC:                                                         | 1000 VDC                                        |
| Dielectric Withstanding Voltage:                                    | 1200 VDC                                        |
| Temperature Range:                                                  | -55/+125°C                                      |
| Temperature Coefficient:                                            | X7R                                             |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor:                                                 | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate:                                                         | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:                                              | 100 GOhms                                       |