

**KEMET Part Number: C0805V472KDRACTU**  
(C0805V472KDRAC7800)



ArcShield SMD Comm X7R HV, Ceramic, 4700 pF, 10%, 1000 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 0805



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| T          | 1.25mm +/-0.15mm |
| S          | 0.75mm MIN       |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 2500                     |

| General Information |  |
|---------------------|--|
| Series:             | ArcShield SMD Comm X7R HV  |
| Style:              | SMD Chip   |
| Description:        | SMD, MLCC, ArcShield, High Voltage, Temperature Stable                         |
| Features:           | High Voltage, Temperature Stable   |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| AEC-Q200:           | No   |
| Component Weight:   | 21 mg  |
| Miscellaneous:      | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life:         | 78 Weeks   |
| MSL:                | 1  |

| Specifications  |   |
|---|---|
| Capacitance:  | 4700 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:  | 10 GOhms  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

