

**KEMET Part Number: C0603W102KBRAC TU**  
(C0603W102KBRAC7867)

Capacitor, Ceramic, SMD, MLCC, Arcshield, High Voltage, 1000 pF, +/-10% Tol, 630 V, X7R, 0603 (1608 metric)



| General Information      |                                    |
|--------------------------|------------------------------------|
| Supplier:                | KEMET                              |
| Application:             | Arc Shield                         |
| Chip Size:               | 0603 (1608 metric)                 |
| Temperature Coefficient: | X7R                                |
| Part Type Description:   | SMD, MLCC, Arcshield, High Voltage |
| Termination Type:        | Flexible Termination               |
| Marked:                  | No                                 |
| RoHS:                    | Yes                                |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 1.6       | +/-0.17   |
| W               | 0.8       | +/-0.15   |
| T               | 0.8       | +/-0.10   |
| B               | 0.45      | +/-0.15   |
| S               | 0.58      | MIN       |

| Packaging Specifications |             |
|--------------------------|-------------|
| Package Kind:            | T&R         |
| Package Size:            | 7 in/180 mm |
| Package Type:            | Paper Tape  |
| Package Quantity:        | 4000        |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 1000 pF   |
| Voltage:               | 630 V   |
| Tolerance:             | +/-10%  |
| Temperature Range:     | -55/+125C   |
| Dissipation Factor:    | 2.5%  |
| Failure Rate:          | N/A   |
| Aging Rate:            | 3% loss/decade hour   |
| Insulation Resistance: | 10 GOhm   |
| Dielectric Strength:   | 945 V   |
| Miscellaneous:         | Note: Referee time for X7R dielectric for this part number is 1000 hours      |
| Miscellaneous:         | X7R dielectric is not recommended for AC line filtering or pulse applications |