

**KEMET Part Number: C0603C683K3RACTU**  
(C0603C683K3RAC7867)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 0.068 uF, +/-10% Tol, 25 V, X7R, 0603 (1608 metric)



| General Information      |   |
|--------------------------|---|
| Supplier:                | KEMET                                   |
| Application:             | Standard Chip                           |
| Chip Size:               | 0603 (1608 metric)                      |
| Temperature Coefficient: | X7R                                     |
| Part Type Description:   | SMD, MLCC, Temperature Stable, Class II |
| Termination Type:        | Tin (Sn)                                |
| Marked:                  | No                                      |
| RoHS:                    | Yes                                     |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 1.60      | +/-0.15   |
| W               | 0.80      | +/-0.15   |
| T               | 0.80      | +/-0.07   |
| B               | 0.35      | +/-0.15   |
| S               | 0.70      | MIN       |

| Specifications            |  |
|---------------------------|--|
| Capacitance:              | 0.068 uF   |
| Voltage:                  | 25 V   |
| Tolerance:                | +/-10%   |
| Temperature Range:        | -55/+125C  |
| Dissipation Factor:       | 3.5%   |
| Failure Rate:             | NA   |
| Aging Rate:               | 3% loss/decade hour  |
| Insulation Resistance:    | 7.35 GOhm  |
| Dielectric Strength:      | 62.5 V   |
| Miscellaneous Electrical: | Note: Referee time for X7R dielectric for this part number is 1000 hours |

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