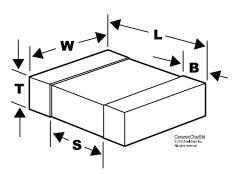
## KEMET Part Number: C0603C683K3RACTU

(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<br>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   |
| Т               | 0.80      | +/-0.07   |
| В               | 0.35      | +/-0.15   |
| S               | 0.70      | MIN       |

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

| 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<br>dielectric for this part number is<br>1000 hours |  |

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