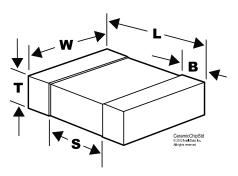
## KEMET Part Number: C0805C684K3NACTU

(C0805C684K3NAC7800)



Ceramic, 150C-(CxxxxC), 0.68 uF, 10%, 25 V, 0805, X8L, SMD, MLCC, High Temperature, Temperature Stable



| Dimensions |                  |
|------------|------------------|
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| Т          | 1.25mm +/-0.20mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

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

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Series:             | 150C-(CxxxxC)  |
| Chip Size:          | 0805   |
| Description:        | SMD, MLCC, High Temperature,<br>Temperature Stable                             |
| Features:           | High Temperature, Temperature Stable   |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Miscellaneous:      | Note: Referee time for X8L<br>dielectric for this part number is<br>1000 hours |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 0.68 uF             |  |
| Capacitance Tolerance:              | 10%                 |  |
| Voltage DC:                         | 25 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 62.5 V              |  |
| Temperature Range:                  | -55/+150C           |  |
| Temperature Coefficient:            | X8L                 |  |
| Dissipation Factor:                 | 2.5%                |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 735 MOhms           |  |

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