

## C0805X683K4JACTU

Aliases (C0805X683K4JAC7800)

SMD Comm U2J Flex, Ceramic, 0.068 uF, 10%, 16 VDC, U2J, SMD, MLCC, FT-CAP, Ultra-Stable, 0805, 0.6 mm



Click [here](#) for the 3D model.

### General Information

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | SMD Comm U2J Flex               |
| Style                    | SMD Chip                        |
| Description              | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features                 | FT-CAP, Ultra-Stable            |
| RoHS                     | Yes                             |
| Termination              | Flexible Termination            |
| Marking                  | No                              |
| AEC-Q200                 | No                              |
| Typical Component Weight | 14 mg                           |
| Shelf Life               | 78 Weeks                        |
| MSL                      | 1                               |

### Specifications

|                                                                    |                                                   |
|--------------------------------------------------------------------|---------------------------------------------------|
| Capacitance                                                        | 0.068 uF                                          |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                     |
| Tolerance                                                          | 10%                                               |
| Voltage DC                                                         | 16 VDC                                            |
| Dielectric Withstanding Voltage                                    | 40 VDC                                            |
| Temperature Range                                                  | -55/+125°C                                        |
| Temp. Coefficient                                                  | U2J                                               |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | -750+/-120 ppm/C, 1kHz 1.0Vrms                    |
| Dissipation Factor                                                 | 0.1% 1 kHz 1.0Vrms                                |
| Aging Rate                                                         | 0.1% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 14.7059 GOhms                                     |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.3mm     |
| W         | 1.25mm +/-0.3mm  |
| T         | 1.25mm +/-0.15mm |
| S         | 0.6mm MIN        |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

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

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