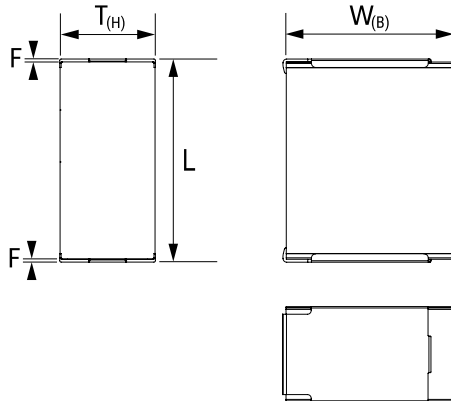


## SMC16.5225J50C31TR24

Aliases (F125ZS225J050V, SMC100ZC7220JC31T1)

SMC/F125, Film, Metallized PPS, General Purpose, 2.2 uF, 5%, 50 VDC, 30 VAC, 100°C, 6560, 7 mm



Note: '()' correspond to the letters used in the product bulletin

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

### General Information

|                          |                |
|--------------------------|----------------|
| Series                   | SMC/F125       |
| Dielectric               | Metallized PPS |
| Style                    | SMD Chip       |
| Features                 | High Stability |
| RoHS                     | Yes            |
| AEC-Q200                 | No             |
| Typical Component Weight | 3.86 g         |
| Shelf Life               | 104 Weeks      |
| MSL                      | 2              |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 6560            |
| L         | 16.5mm +/-0.2mm |
| W         | 15mm +/-0.2mm   |
| T         | 7mm +/-0.2mm    |
| F         | 0.5mm NOM       |

### Packaging Specifications

|                    |     |
|--------------------|-----|
| Packaging          | T&R |
| Packaging Quantity | 500 |

### Specifications

|                       |                        |
|-----------------------|------------------------|
| Capacitance           | 2.2 uF                 |
| Tolerance             | 5%                     |
| Voltage DC            | 50 VDC                 |
| Voltage AC            | 30 VAC                 |
| Temperature Range     | -55/+125°C             |
| Rated Temperature     | 100°C                  |
| Dissipation Factor    | 0.15% 1kHz, 0.3% 10kHz |
| Insulation Resistance | 2.2727 GOhms           |
| Max dV/dt             | 2 V/us                 |

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