

## SMC12.7105J50B31TR24

Aliases (F125YR105J050V, SMC100ZB7100JB31T1)

SMC/F125, Film, Metallized PPS, General Purpose, 1uF, 5%, 30 VAC, 50 VDC, 100°C, 5045, 6.5mm



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

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

### Dimensions

Chip Size	5045
L	12.7mm +/-0.2mm
W	11.5mm +/-0.2mm
T	6.5mm +/-0.2mm
F	0.5mm NOM

### Packaging Specifications

Packaging	T&R
Packaging Quantity	600

### General Information

Series	SMC/F125
Dielectric	Metallized PPS
Style	SMD Chip
Features	High Stability
RoHS	Yes
AEC-Q200	No
Component Weight	2.833 g
Shelf Life	104 Weeks
MSL	2

### Specifications

Capacitance	1uF
Capacitance Tolerance	5%
Voltage AC	30 VAC
Voltage DC	50 VDC
Temperature Range	-55/+125°C
Rated Temperature	100°C
Dissipation Factor	0.15% 1kHz, 0.25% 10kHz, 0.6% 100kHz
Insulation Resistance	5 GOhms
Max dV/dt	3 V/us