

## SMP253EA4250MB31TR24

Aliases (P101YR252M300V)

SMP253 300 VAC, Film, Metallized Paper, Automotive Safety, 2,500 pF, 20%, 1,500 VDC, 300 VAC, 110°C, 5045, 6.5 mm



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

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

### General Information

Series	SMP253 300 VAC
Dielectric	Metallized Paper
Style	SMD Chip
RoHS	Yes
Termination	Tin
Safety Class	Y2
AEC-Q200	Yes
Typical Component Weight	1.6 g

### Dimensions

Chip Size	5045
L	12.7mm +0.4mm
W	11.5mm +0.6mm
T	6.5mm +0.4mm
F	0.5mm NOM

### Packaging Specifications

Packaging	T&R
Packaging Quantity	600

### Specifications

Capacitance	2,500 pF
Tolerance	20%
Voltage DC	1500 VDC
Voltage AC	300 VAC
Temperature Range	-40/+110°C
Rated Temperature	110°C
Dissipation Factor	1.3% 1kHz
Insulation Resistance	12 GOhms
Max dV/dt	2,000 V/us

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