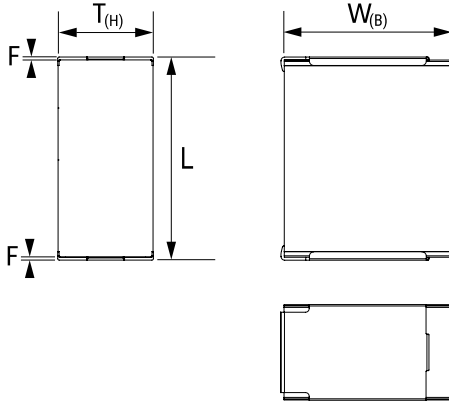


SMP253MA4250MTV24

Aliases (P101AA252M250Y)

Recommended Replacement **SMP253EA4250MB31TV24**

SMP253 250 VAC, Film, Metallized Paper, Automotive Safety, 2,500 pF, 20%, 1,500 VDC, 250 VAC, 100°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 250 VAC
Dielectric	Metallized Paper
Style	SMD Chip
RoHS	Yes
Termination	Tin
Safety Class	Y2
Qualifications	ENEC, cULus
AEC-Q200	Yes
Typical Component Weight	1.6 g
Notes	Recommended Replacement https://www.kemet.com/en/us/product/SMP253EA4250MB31TV24.html .

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, Vertical Orientation
Packaging Quantity	400

Specifications

Capacitance	2,500 pF
Tolerance	20%
Voltage DC	1500 VDC
Voltage AC	250 VAC
Temperature Range	-40/+100°C
Rated Temperature	100°C
Dissipation Factor	1.3% 1kHz
Insulation Resistance	12 GOhms
Max dV/dt	2,000 V/us

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.