

TP102MV

50

500



DESCRIPTION: MAX250/MAX251Compatible Converter Transformers

The TP102MV of converter transformers are specifically designed for use with Maxim chipsets to provide isolated RS232 interfaces. Carefully controlled turns ratios ensure consistent performance whilst a toroidal construction minimises EMI.

Tube

Tape & Reel

Maxim MAX250/MAX251 compatible	Į.	Isolation to 3500VDC			
Surface mount option		UL 94 V-0 package materials			
Toroidal construction	F	Fully encapsulated			
1	1	1			
Turn Ratio					
1: 1					
Conditions	Min.	Тур.	Max.	Units	
10kHz, 20mV	0.618	1.0		mH	
10kHz, 20mV			25	μH	
10MHz, 20mV			5.2	pF	
			1.34	Ω	
Package Type	Packagin	Packaging Type		Quantity	
	Toroidal construction / Turn Ratio 1: 1 Conditions 10kHz, 20mV 10kHz, 20mV	Surface mount option Toroidal construction / Turn Ratio 1: 1 Conditions Min. 10kHz, 20mV 10kHz, 20mV 10MHz, 20mV	Surface mount option Toroidal construction Fully encapsulated / Turn Ratio 1: 1 Conditions Min. Typ. 10kHz, 20mV 10MHz, 20mV 10MHz, 20mV	Surface mount option Toroidal construction Fully encapsulated / Turn Ratio 1: 1 Conditions Min. Typ. Max. 10kHz, 20mV 10kHz, 20mV 25 10MHz, 20mV 5.2 1.34	

ARSO	LUTE	MAXIM	IIM RA	TINGS
71000		TVA VA		111100

TP102MV

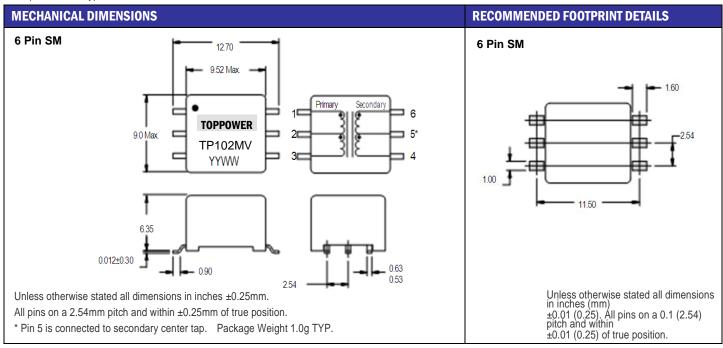
TP102MV-R

Operating free air temperature range	-40°C to 125°C
Storage temperature range	-50°C to 150°C
Lead temperature 1.5mm from case for 10 seconds	300°C
Peak current, I _{PK}	310mA
Isolation voltage TP102MV (flash tested for 1 second)	3500VDC

6 Pin SM

6 Pin SM

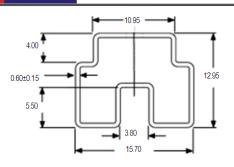
All specifications typical at TA=25°C



TUBE OUTLINE DIMENSIONS SOLDERING INFORMATION

TOPPOWER

TP102MV



Unless otherwise stated all dimensions in inches (mm) ±0.25.

Tube length: 18.3±0.08 (465±2).

Tube material: Antistatic coated clear pvc.

Pin finish	Matte tin
Peak wave solder temperature	300°C for 10 seconds
Peak reflow temperature	Max Temp 245°C, reflow time 60-90S

TAPE & REEL SPECIFICATIONS

