

# MTTVSASOT233L24B

## 24V Bi-Directional TVS Array SOT23-3L Package

Webpage



Sample kit



Buy Online



Support



Tools



### Features

- Low leakage current
- Low clamping voltage
- IEC 61000-4-2 Level 4 ESD Protection
- Solid-state silicon avalanche technology

### Product Image

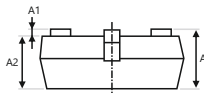
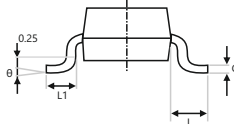
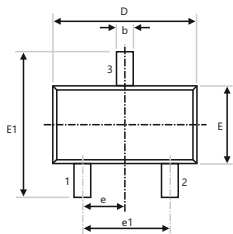


\*Displayed image is only for reference purpose, original product may vary.

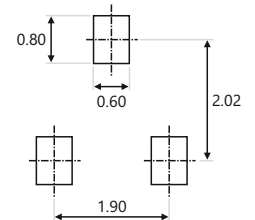
### Applications

- Portable electronics
- CAN bus protection
- Automotive application
- Control & monitoring systems
- Servers, notebooks, and desktop PCs
- Cellular handsets and accessories

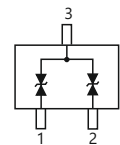
### Dimensions



Symbol	Dimensions in Millimeters		Dimensions in Inches	
	Min.	Max.	Min.	Max.
A	0.900	1.150	0.035	0.045
A1	0.000	0.000	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950 Typ.		0.037 Typ.	
e1	1.800	2.000	0.071	0.079
L	0.550 Ref.		0.022 Ref.	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°



Recommended Land Pattern  
General tolerance: ±0.05



Circuit Diagram

All Dimensions in mm

### Absolute Maximum Rating

Parameters	Symbol	Value	Unit
ESD per IEC 61000-4-2 (Air)	V <sub>ESD</sub>	±30	kV
ESD per IEC 61000-4-2 (Contact)		±30	
Junction Temperature	T <sub>J</sub>	-55 to + 150	°C
Storage Temperature	T <sub>STG</sub>	-55 to + 150	°C

### Electrical Characteristics

Part Number	V <sub>RWM</sub> (V)	I <sub>R</sub> (μA) @V <sub>RWM</sub>	V <sub>BR</sub> (V) @I <sub>T</sub> (Note 1)		I <sub>T</sub>	V <sub>C</sub> (V) @Max. I <sub>PP</sub> (Note 2)	I <sub>PP</sub> (A) (Note 2)	P <sub>PK</sub> (W) (Note 2)	C (pF)
	Max.	Max.	Min.	Max.	mA	Max.	Max.	Max.	Typ.
MTTVSASOT233L24B	24	0.5	26	33	1	40	4	160	10

V<sub>BR</sub> is measured with a pulse test current I<sub>T</sub> at an ambient temperature of 25°C  
Surge current waveform per Figure 1.

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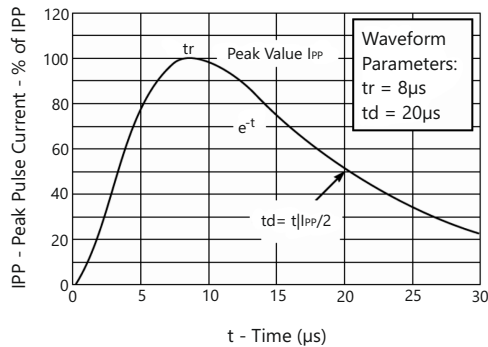


Fig 1: Pulse Waveform

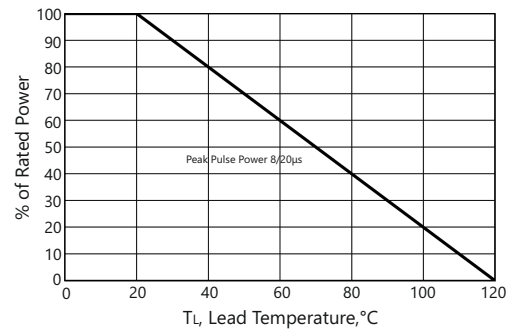


Fig 2: Power Derating Curve

#### NOTE:

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