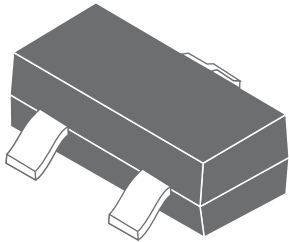
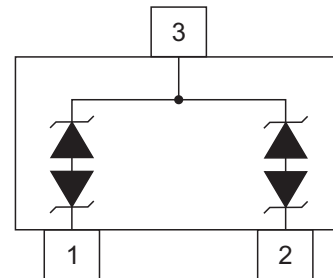


Electro-Static Discharge TESD24G2B Bidirectional TVS Diode

SOT-23



Pin Configuration



Description

The Controller Area Network (CAN) is a serial communication protocol designed for providing reliable high speed data transmission in harsh environments. TESD24G2B in a excellent clamping capability, low leakage, and fast response to protect two automotive Controller Area Network (CAN) bus lines from the damage caused by ElectroStatic Discharge (ESD) and other transients.

Features

- 350 Watts Peak Pulse Power per Line ($t_p=8/20\mu s$)
- Protects one I/O or power line
- Low clamping voltage
- Working voltages: 24V
- Low leakage current

IEC Compatibility

- IEC61000-4-2 (ESD) $\pm 25kV$ (air), $\pm 15kV$ (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 21A (8/20 μs)

Applications

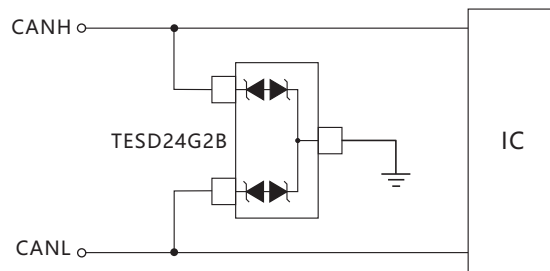
- CAN-BUS protection
- Automotive applications

Mechanical Characteristics

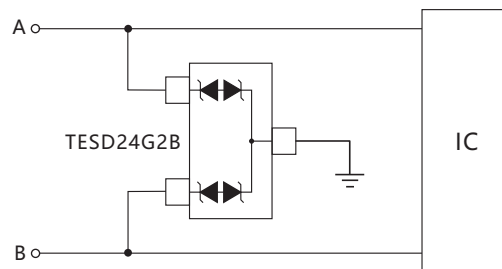
- JEDEC SOT-23 Package
- Molding Compound Flammability Rating:UL 94V-O
- Weight 8.0 Milligrams(Approximate)
- Quantity Per Reel:3000pcs
- Reel Size:7 inch
- Lead Finish:Lead Free

Application

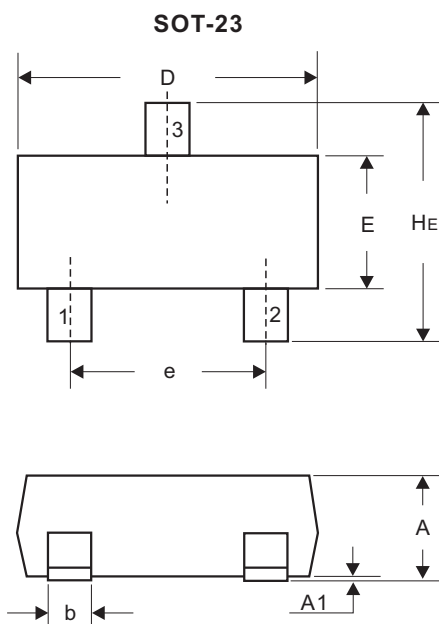
CAN Protection



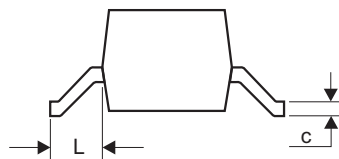
RS232 Protection



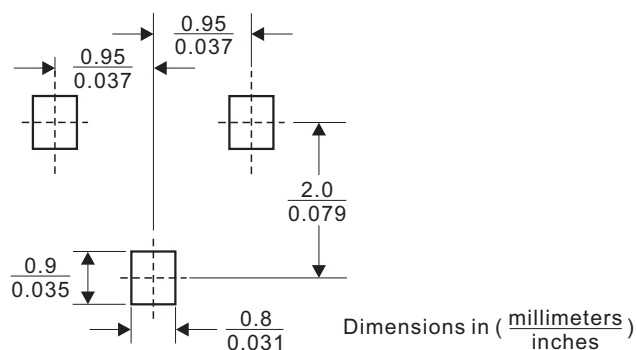
Dimensions(SOT-23)



DIM	Millimeters		Inches	
	Min	Max	Min	Max
A	0.89	1.11	0.035	0.044
A1	0.01	0.10	0.001	0.004
b	0.37	0.50	0.015	0.020
c	0.09	0.18	0.003	0.007
D	2.80	3.04	0.110	0.120
E	1.20	1.40	0.047	0.055
e	1.78	2.04	0.070	0.081
L	0.35	0.69	0.014	0.029
HE	2.10	2.64	0.083	0.104



Recommended Mounting Pad Layout



单击下面可查看定价，库存，交付和生命周期等信息

[>>SPSEMI](#)