

Features

- AEC-Q101 Qualified
- · Dual Line CAN Bus Protector for SOT-23 Package
- · Low Clamping Voltage
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

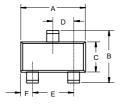
ESD Protection Device

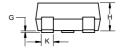
Maximum Ratings

IEC61000-4-2(ESD)	Contact	±30KV	
Human Body Model	HBM	±30KV	
Peak Pulse Power (8/20µs)	PPK	308W	
Peak Pulse Current (8/20µs)(Note 2)	IPP	7A	
Operating Junction Temperature Range	TJ	-55°C to +150°C	
Storage Temperature Range	TSTG	-55°C to +150°C	

Note:

SOT-23



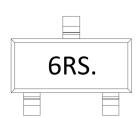


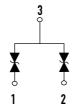


	DIMENSIONS				
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	INOIE
Α	0.110	0.120	2.80	3.04	
В	0.083	0.104	2.10	2.64	
С	0.047	0.055	1.20	1.40	
D	0.034	0.041	0.85	1.05	
Е	0.067	0.083	1.70	2.10	
F	0.018	0.024	0.45	0.60	
G	0.0004	0.006	0.01	0.15	
Н	0.035	0.043	0.90	1.10	
J	0.003	0.007	0.08	0.18	
K	0.012	0.020	0.30	0.51	
L	0.007	0.020	0.20	0.50	

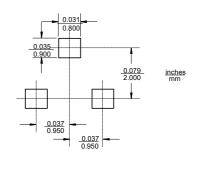
Marking Information

Internal Structure





Suggested Solder Pad Layout

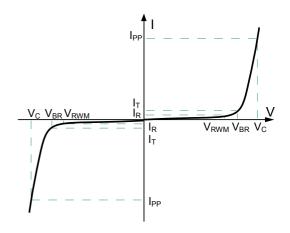


^{1.} Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

^{2.}Non-repetitive current pulse 8/20 µs exponential decay waveform according to IEC61000-4-5.



Symbol	Parameter		
I _{PP}	Maximum Reverse Peak Pulse Current		
Vc	Clamping Voltage @ I _{PP}		
V _{RWM}	Working Peak Reverse Voltage		
I _R	Maximum Reverse Leakage Current @ V _{RWM}		
V_{BR}	Breakdown Voltage @ I _T		
I _T	Test Current		
С	Capacitance @V _R =0 and f =1MHz		



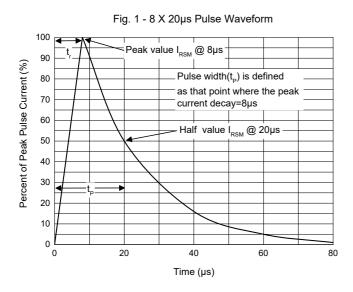
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

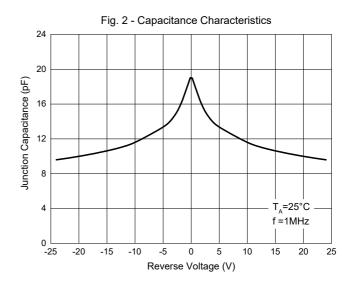
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	26.2		32	V
Reverse Leakage Current	I _R	V _{RWM} =24V		1.5	100	nA
Clamping VoltageNote1 Note2	V _C	I _{PP} =1A, t _P =8/20μs			34	V
Clamping Voltage ^{Note1 Note2}	V _C	I _{PP} =5A, t _P =8/20μs		37	40	V
Clamping VoltageNote1 Note2	V _C	I _{PP} =7A, t _P =8/20μs		40	44	V
Junction CapacitanceNote2	CJ	V _R =0V, f=1MHz,Vsig=50mVp-p		20	30	pF

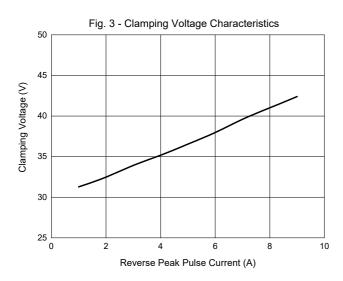
^{1.}Non-repetitive current pulse, according to IEC61000-4-5. 2.Measured from Pin1 to Pin3 or Pin 2 to Pin3.

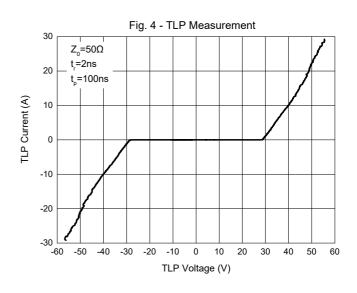


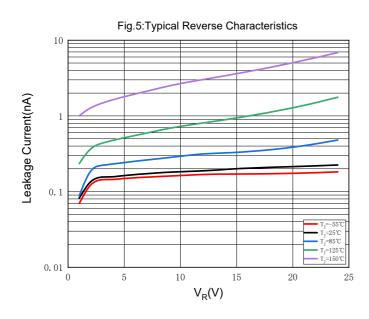
Curve Characteristics

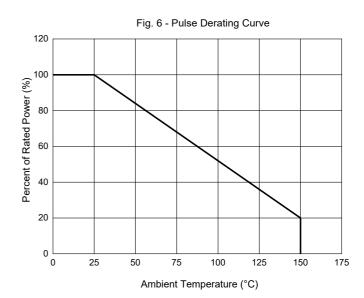














Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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