

APPLICATIONS

- ✧ 10/100 Ethernet.
- ✧ WAN/LAN Equipment.
- ✧ Laser Diode Protection.
- ✧ Switching Systems.
- ✧ Instrumentation.
- ✧ Base Stations.

IEC COMPATIBILITY

- ✧ IEC61000-4-2 (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact).
- ✧ IEC61000-4-4 (EFT) 40A (5/50ns).
- ✧ IEC61000-4-5 (Lightning) 24A (8/20 μs).

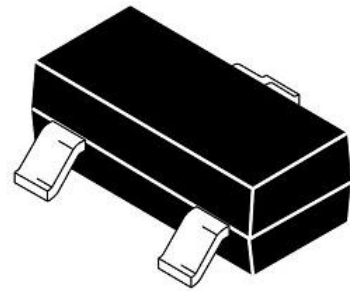
FEATURES

- ✧ 400 Watts Peak Pulse Power per Line ($t_p=8/20\mu\text{s}$).
- ✧ Protects two line pairs (four lines).
- ✧ Low capacitance.
- ✧ RoHS Compliant.

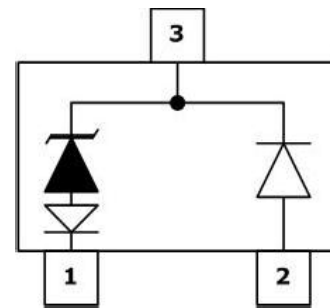
MECHANICAL CHARACTERISTICS

- ✧ JEDEC SOT-23 Package.
- ✧ Molding Compound Flammability Rating : UL 94V-O.
- ✧ Weight 8 Milligrams (Approximate).
- ✧ Quantity Per Reel : 3,000pcs.
- ✧ Reel Size : 7 inch.
- ✧ Lead Finish : Lead Free.

SOT-23



PIN CONFIGURATION

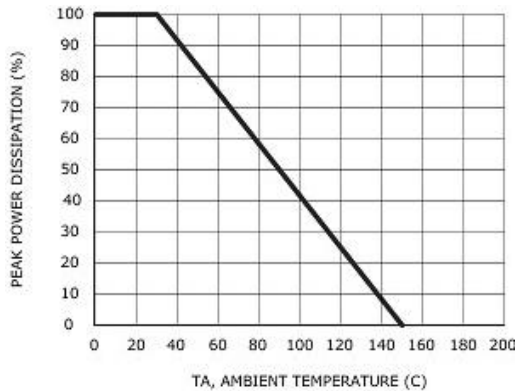


DEVICE CHARACTERISTICS
MAXIMUM RATINGS (@ 25°C Unless Otherwise Specified)

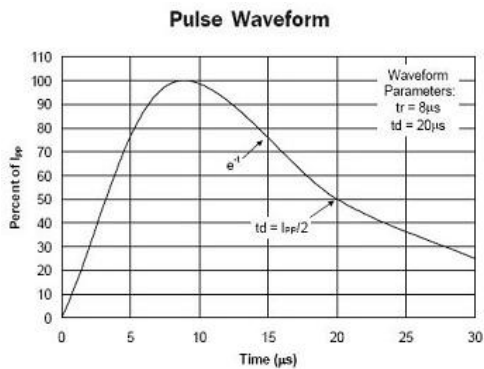
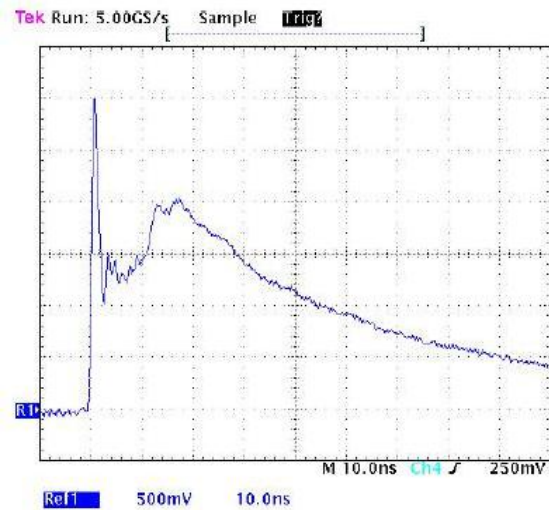
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P _{PP}	400	Watts
Lead Soldering Temperature	T _L	260 (10 sec.)	°C
Operating Temperature Range	T _J	-55 ~ 150	°C
Storage Temperature Range	T _{STG}	-55 ~ 150	°C

ELECTRICAL CHARACTERISTICS PER LINE (@ 25°C Unless Otherwise Specified)

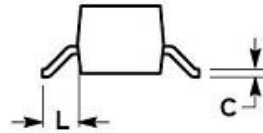
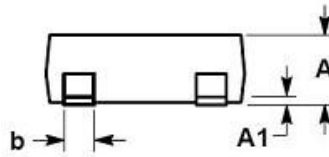
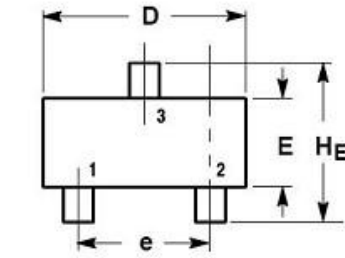
PART NUMBER	DEVICE MARKING	V _{RWM}	V _B	I _T	V _C	V _C		I _R	C _T
		(V) (max.)	(V) (min.)	(mA)	@5A (max.)	(max.)	(@A)	(μA) (max.)	(pF) (typ.)
SLVU2.8	328	2.8	3.0	1	7	15	24	1	3



Power Derating Curve

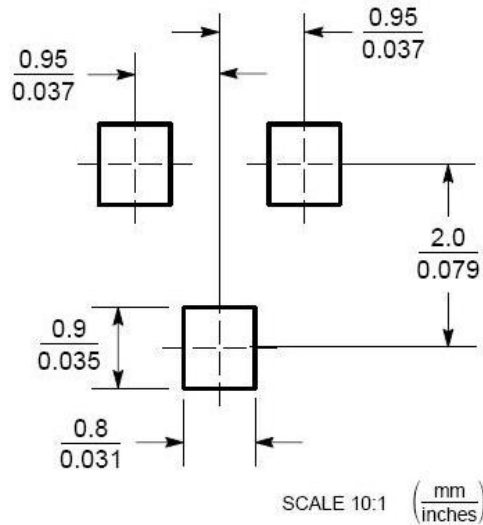

ESD Pulse Waveform (Per IEC 61000-4-2)


SOT-23 PACKAGE OUTLINE & DIMENSIONS



DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.89	1.00	1.11	0.035	0.040	0.044
A1	0.01	0.06	0.10	0.001	0.002	0.004
b	0.37	0.44	0.50	0.015	0.018	0.020
c	0.09	0.13	0.18	0.003	0.005	0.007
D	2.80	2.90	3.04	0.110	0.114	0.120
E	1.20	1.30	1.40	0.047	0.051	0.055
e	1.78	1.90	2.04	0.070	0.075	0.081
L	0.35	0.54	0.69	0.014	0.021	0.029
HE	2.10	2.40	2.64	0.083	0.094	0.104

*** SOLDERING FOOTPRINT**



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