

FEATURES

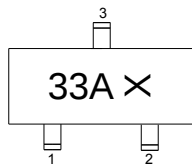
- ✧ Working voltages :26V
- ✧ ESD Rating:
Class 3B (>16kV) per the Human Body Model
Class C (>400V) per Machine Mod
- ✧ ESD Rating of IEC61000-4-2 level 4
- ✧ Low leakage < 5.0μA
- ✧ Compliant to Halogen-free

MAIN APPLICATIONS

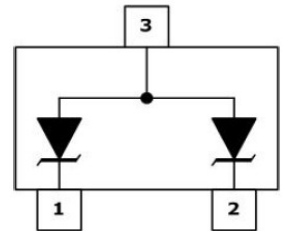
- ✧ Computers
- ✧ Printers
- ✧ Business Machines
- ✧ Communication systems
- ✧ Medical equipment

MECHANICAL CHARACTERISTICS

- ✧ SOT-23 package
- ✧ Molding compound flammability rating : UL 94V-0
- ✧ Marking code: 33A ×



Pin Configuration



ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise noted)

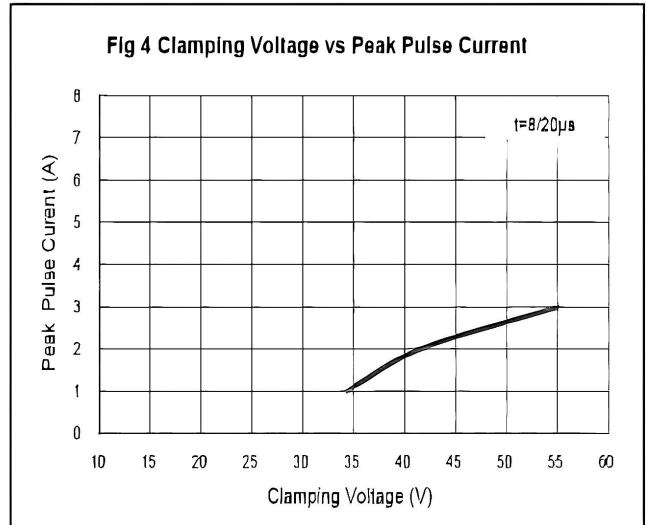
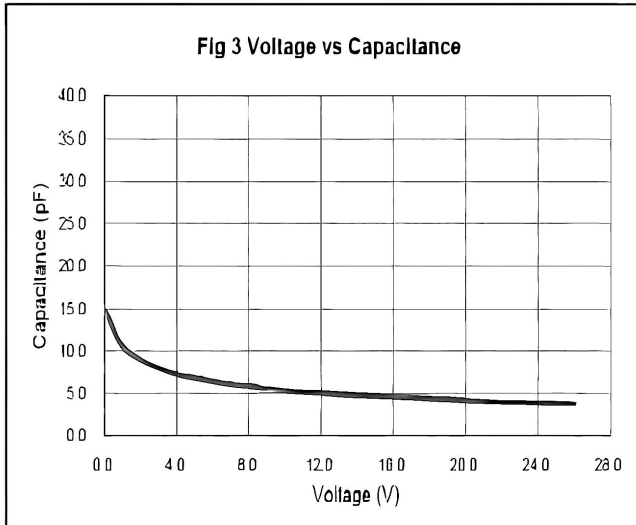
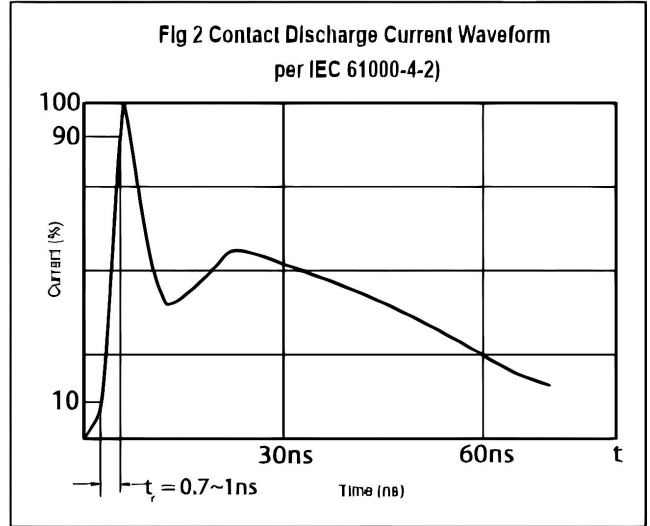
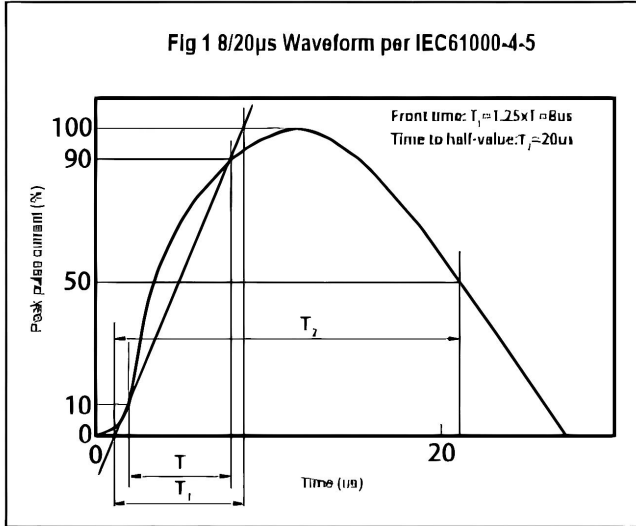
Parameter	Symbol	Value	Unit
Peak pulse power (8/20 μs)	P _{PP}	40	W
Lead soldering temperature	T _L	260 (10 sec.)	°C
Operating junction temperature range	T _J	-55 to +150	°C
Storage temperature range	T _{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise noted)

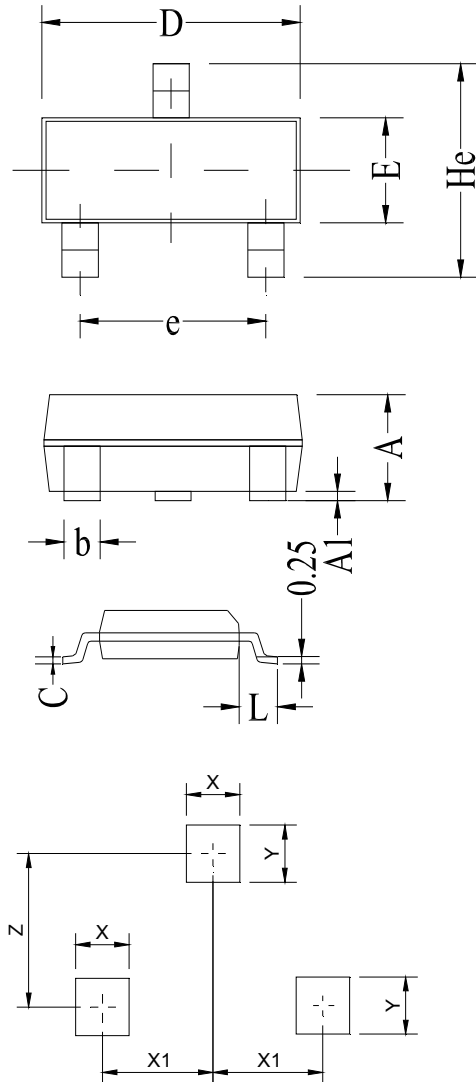
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse working voltage	V _{RWM}				26	V
Reverse breakdown voltage	V _{BR}	I _T = 1mA	31.35	33	34.65	V
Reverse leakage current	I _R	V _{RWM} = 26V			50	nA
Clamping voltage (1)	V _C	I _{PP} = 0.87A, t _p = 8/20μs			46	V

Note1: V_F=0.9V Max @ I_F=10mA

RATINGS AND V-I CHARACTERISTICS CURVES ($T_A=25^\circ\text{C}$, unless otherwise noted)



SOT-23 PACKAGE MECHANICAL DATA



Land Pattern

Symbol	Millimeter		Inches	
	Min	Max	Min	Max
A	0.9	1.15	0.035	0.045
A1	0.00	0.10	0.000	0.004
b	0.30	0.50	0.012	0.020
C	0.08	0.15	0.003	0.006
D	2.8	3.0	0.11	0.118
e	1.8	2.0	0.071	0.079
E	1.2	1.4	0.047	0.055
L	0.40	0.70	0.016	0.028
He	2.25	2.55	0.089	0.1
X	0.8		0.0315	
X1	0.95		0.037	
Y	0.80		0.0315	
Z	2.02		0.0795	