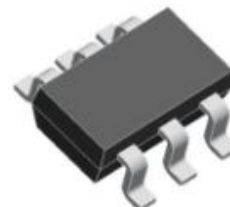


ESD Protector

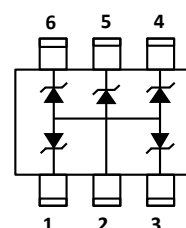
Features

- 3A Peak pulse current per line ($t_P = 8/20\mu s$)
- SOT-363 package
- Protects four bidirectional lines and five unidirectional lines
- Low clamping voltage
- Low capacitance
- Working voltage: 5V
- RoHS compliant transient protection for high speed data lines to IEC61000-4-2(ESD) $\pm 15kV$ (air), $\pm 8kV$ (contact)

SOT-363



Circuit Diagram



Mechanical Characteristics

- Lead finish: 100% matte Sn(Tin)
- Mounting position: Any
- Qualified max reflow temperature: 260 °C

Maximum Ratings ($T_a = 25^\circ C$ unless otherwise specified)

Rating	Symbol	Value	Unit
Peak Pulse Current ($t_P = 8/20\mu s$)	I_{PP}	3	A
Junction Temperature	T_J	-45 to +125	$^\circ C$
Storage Temperature	T_{STG}	-45 to +125	$^\circ C$

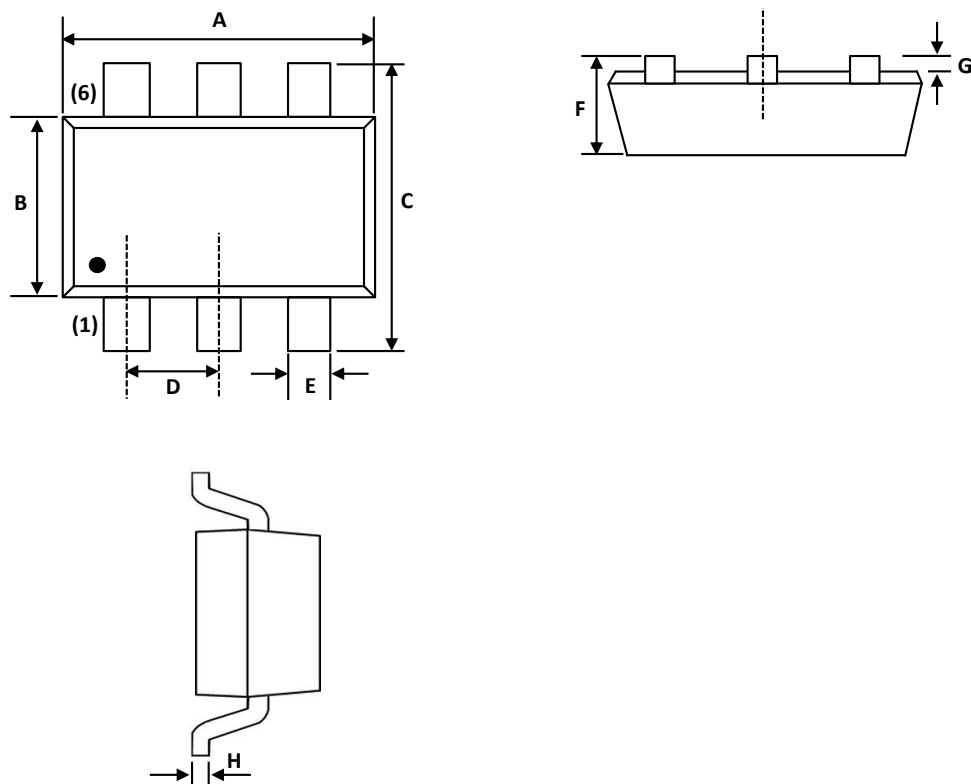
Note1: Pin 1, 3, 4, 5 or 6 to Pin 2

Electrical Characteristics ($T_a = 25^\circ C$ unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse Stand-off Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	$I_t = 1mA$	5.8		7.5	V
Reverse Leakage Current	I_R	$V_{RWM} = 5V$ $T = 25^\circ C$			1	μA
Clamping Voltage	V_C	$I_{PP} = 3A$ $t_P = 8/20\mu s$			13	V
Junction Capacitance	C_j	$V_R = 0V$ $f = 1MHz$		10	15	pF

Note1: Pin 1, 3, 4, 5 or 6 to Pin 2

SOT-363 Package Outline Drawing



SYM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	2.00	2.20	0.079	0.087
B	1.15	1.35	0.045	0.053
C	2.15	2.45	0.085	0.096
D	0.65 BSC		0.026 BSC	
E	0.15	0.35	0.006	0.014
F	0.90	1.10	0.035	0.043
G	0.00	0.10	0.000	0.004
H	0.08	0.15	0.003	0.006