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# SRV05-4

## Features

- Small package saves board space
- Peak pulse current(tp=8/20us): 6A
- Low leakage
- ESD protection to over 8kV contact discharge
- For space saving application
- Can handle multiple ESD strikes
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

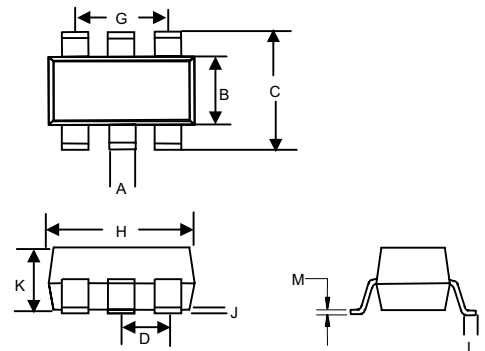
## 5 Volts ESD Protection Device

## Maximum Ratings

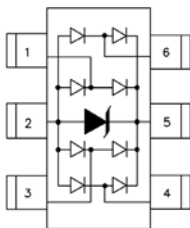
- Operating Junction & Storage Temperature: -55°C to +150°C

Parameter	Symbol	Limits	unit
IEC61000-4-2(ESD) Air Contact		±15 ±8	KV
IEC61000-4-4 (EFT): @ 5/50ns		40	A

## SOT-363



## Pin Configuration



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.081	.096	2.05	2.45	
D	.026		0.65Nominal		
G	.047	.055	1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	

Electrical characteristics per line@25°C(unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse stand-off voltage	$V_{RWM}$	Pin 5 to 2			5	V
Reverse Breakdown voltage	$V_{BR}$	$I_t = 1\text{mA}$ (Pin 5 to 2)	6			V
Reverse Leakage Current	$I_R$	$V_{RWM} = 5\text{V}$ $T=25^\circ\text{C}$ (Pin 5 to 2)			2	$\mu\text{A}$
Clamping Voltage	$V_C$	$I_{PP}=1\text{A}$ $t_P = 8/20\mu\text{S}$ (Any Pin to 2)			15	V
Junction Capacitance	$C_j$	$V_R=0\text{V}$ $f = 1\text{MHz}$ (Any I/O pin to pin 2)		2.0		pF
		$V_R=0\text{V}$ $f = 1\text{MHz}$ (Between I/O pins)		1.0		pF