



# THE DATASHEET OF SRV05-4L-TP





Micro Commercial Components

Micro Commercial Components  
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# SRV05-4L

## 5 Volts ESD Protection Device

### Features

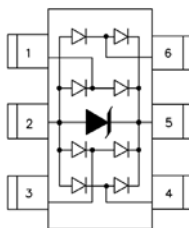
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Small package saves board space
- Protects four(4) I/O lines
- Low clamping voltage
- Low capacitance: 1.5pF
- ESD protection to over 8kV contact discharge
- Can handle multiple ESD strikes

### Maximum Ratings

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

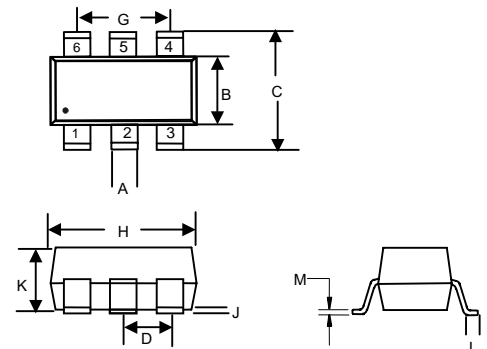
Parameter	Symbol	Limits	unit
IEC61000-4-2(ESD) Air Contact		$\pm 15$ $\pm 8$	KV
IEC61000-4-4 (EFT): @ 5/50ns		40	A
Peak Pulse Power: @ 8/20us	Ppk	350	W
Peak Pulse Current: @ 8/20us	Ipp	12	A

### Pin Configuration



Marking: V05

# SOT23-6L



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.013	.020	0.35	0.50	
B	.060	.066	1.52	1.68	
C	.106	.114	2.70	2.90	
D	.037		0.95BSC		
G	.074		1.90BSC		
H	.111	.117	2.82	2.98	
J	.002	.006	0.05	0.15	
K	.035	.051	0.90	1.30	
L	.013	.021	0.35	0.55	
M	.003	.008	0.08	0.22	



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

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse stand-off voltage	$V_{RWM}$				5	V
Reverse Breakdown voltage	$V_{BR}$	$I_t = 1mA$	6			V
Reverse Leakage Current	$I_R$	$V_{RWM} = 5V$ $T=25^{\circ}C$			1	$\mu A$
Junction Capacitance	$C_j$	$V_R=0V$ $f = 1MHz$		1.5		pF
Clamping voltage	$V_C$	$I_{pp}=1A$			12.5	V
Clamping voltage	$V_C$	$I_{pp}=5A$			17.5	V



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Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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