



Micro Commercial Components

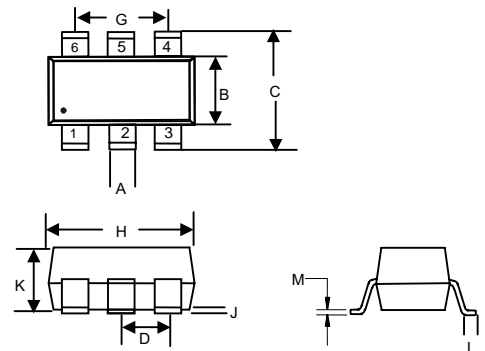


Micro Commercial Components
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SRV05-4A

5 Volts
ESD Protection
Device

SOT23-6L



Features

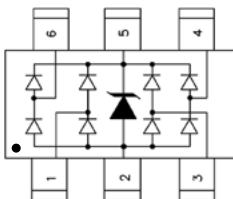
- Halogen free available upon request by adding suffix "-HF"
Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Small package saves board space
Protects four(4) I/O lines
Low clamping voltage
Low capacitance: 3pF
ESD protection to over 8kV contact discharge
Can handle multiple ESD strikes
Enhanced power rating

Maximum Ratings

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

Table with 5 columns: Parameter, Symbol, Limits, unit. Rows include IEC61000-4-2(ESD) Air Contact, IEC61000-4-4 (EFT): @ 5/50ns, Peak Pulse Power: @ 8/20us, and Peak Pulse Current: @ 8/20us.

Pin Configuration



Marking: V05/SV05

Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows list dimensions A through M.

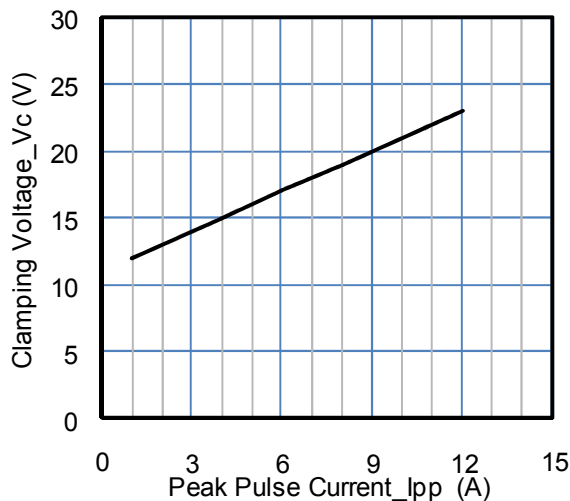


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Electrical characteristics per line@25°C(unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse stand-off voltage	$V_{RWM}$				5	V
Reverse Breakdown voltage	$V_{BR}$	$I_t = 1mA$ , pin5 to pin 2	6			V
Reverse Leakage Current	$I_R$	$V_{RWM} = 5V$ $T=25^\circ C$			5	$\mu A$
Junction Capacitance	$C_{I/O}$	$V_R=0V$ $f = 1MHz$ Any I/O pin to GND		3	5	pF
Junction Capacitance	$C_{I/O-I/O}$	$V_R=0V$ $f = 1MHz$ Between I/O Pins		1.5		pF
Clamping voltage	$V_C$	$I_{pp}=1A$ , I/O Pins to GND			12.5	V
Clamping voltage	$V_C$	$I_{pp}=5A$ , I/O Pins to GND			17.5	V
Clamping voltage	$V_C$	$I_{pp}=12A$ , I/O Pins to GND			25	V

Clamping Voltage vs. Peak Pulse Current





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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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