

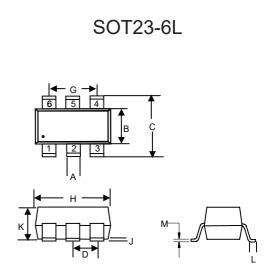
Features

- Can Handle Multiple ESD Strikes
- Low Reverse Clamping Voltage
- Low Capacitance
- Fast Response Time
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

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





I D I				I	L		
	DIMENSIONS						
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX	NOTE		
A	0.012	0.020	0.30	0.50			
В	0.051	0.070	1.30	1.80			
С	0.087	0.126	2.20	3.20			
D	0.037		0.95		TYP.		
G	0.074		1.90		TYP.		
Н	0.106	0.122	2.70	3.10			
J	0.002	0.006	0.05	0.15			
K	0.030	0.051	0.75	1.30			
L	0.012	0.024	0.30	0.60			

0.003 0.008 0.08

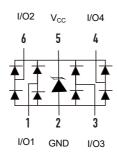
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MCC Part Number	Device Marking
ESDU5V0H4	U5H4

IEC61000-4-2(ESD)	Air Contact	±25KV ±25KV		
Peak Pulse Current(8/20µs)	I _{PP}	5A		
Peak Pulse Power (8/20us)	P _{PK}	125W		

Internal Structure





Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Per Channel(I/O to GND Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5	V
Reverse Breakdown Voltage	V _{BR}	I _T = 1mA	6.5		8.8	V
Reverse Breakdown Voltage	V _{BR}	$I_T = 1mA, V_{CC}$ to GND	5.8		8.1	V
Reverse Leakage Current	I _R	V _{RWM} =5V, I/O to GND & V _{CC} to GND			1	μA
Forward Voltage	V _F	I _F = 10mA, I/O to GND & V _{CC} to GND	0.5		1	V
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs, I/O to GND & V _{CC} to GND			15	V
Clamping Voltage	V _C	I _{PP} =5A, t _P =8/20μs, I/O to GND & V _{CC} to GND			25	V
Junction Capacitance	CJ	V _R = 0V, f = 1MHz			0.8	pF
Junction Capacitance	CJ	V _R = 0V, f = 1MHz, I/O to I/O			0.4	pF



Curve Characteristics

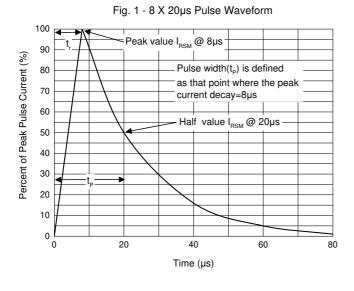
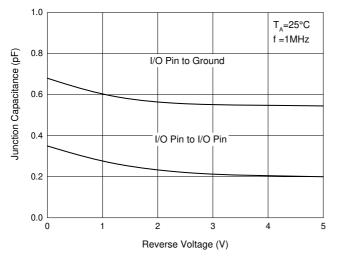


Fig. 3 - Capacitance Characteristics



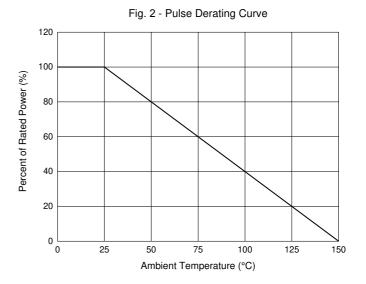
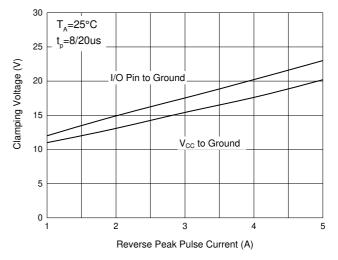


Fig. 4 - Clamping Voltage Characteristics





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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