

Features

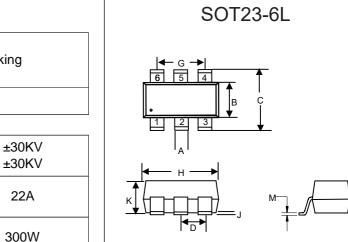
- Up to 4 I/O Lines
- Low Clamping Voltage
- Low Capacitance
- Ultra Low Leakage
- Halogen Free. "Green" Device (Note 1)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

Peak Pulse Power (8/20µs)

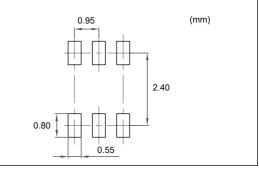
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C





DIMENSIONS							
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX	NOTE		
А	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			
Κ	0.030	0.051	0.75	1.30			
L	0.012	0.024	0.30	0.60			
М	0.003	0.008	0.08	0.22			

Suggested Solder Pad Layout



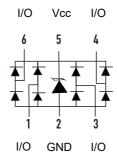
MCC Part Number	Device Marking			
SRV33-4L	SRV33			
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV		
Peak Pulse Current(8/20µs)	I _{PP}	22A		

Note:

1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

P_{PK}

Internal Structure



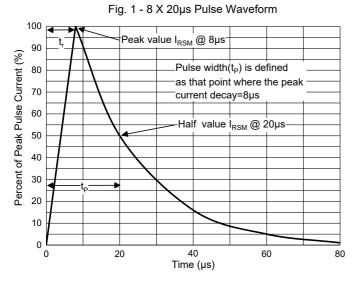


Electrical Characteristics @ 25°C (Unless Otherwise Specified)

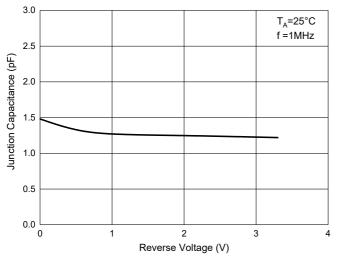
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}	Pin 5 to Pin 2			3.3	V
Punch-Through Voltage	V _{PT}	I _T =2μA, Pin 5 to Pin 2	3.5		5.3	V
Snap-Back Voltage	V_{SB}	I _{SB} =50mA	2.8			V
Reverse Leakage Current	I _R	V _{RWM} =3.3V, Pin 5 to Pin 2			0.5	μA
Clamping Voltage	V _c	I _{PP} =1A, t _P =8/20μs, I/O to GND			6	V
Clamping Voltage	V _C	I _{PP} =22A, t _P =8/20μs, I/O to GND			14	V
Junction Capacitance	CJ	V _R =0V, f=1MHz, I/O to GND		3	5	pF
Junction Capacitance	CJ	V _R =0V, f=1MHz, I/O to I/O		1.5		pF

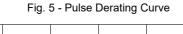


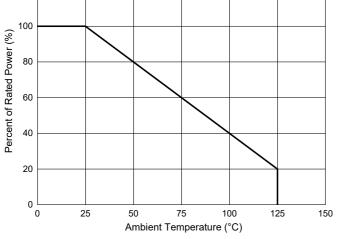
Curve Characteristics



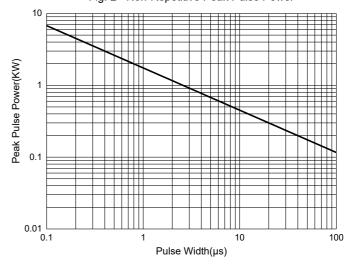


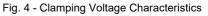


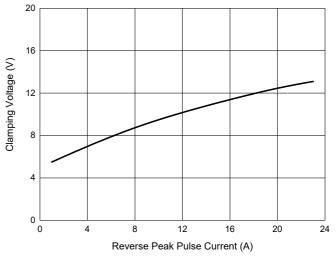












120



Ordering Information

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

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