

Features

- Low Clamping Voltage
- Ultra Low Capacitance
- · 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)

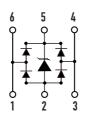
Maximum Ratings

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

MCC Part Number	Device Marking		
SRL05	UL26		

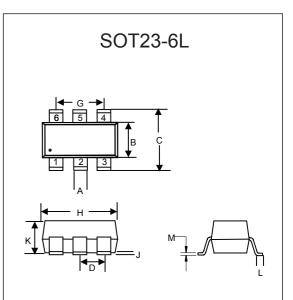
IEC61000-4-2(ESD)	Air Contact	±20KV ±15KV
IEC61000-4-4 (EFT) @5/50ns		40A
Peak Pulse Current(8/20µs)	I _{PP}	5A
Peak Pulse Power (8/20us)	P _{PK}	90W

Internal Structure



Pin	Identification		
1,3,4,6,	Input Lines		
5	V_{BUS}		
2	Ground		

ESD Protection Device



	DIMENSIONS					
DIM INCHE		HES	MM		NOTE	
וווט	MIN	MAX	MIN	MAX	INOTE	
Α	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		
М	0.003	0.008	0.08	0.22		

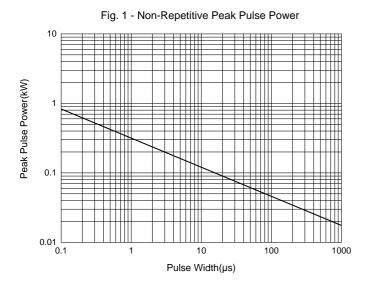


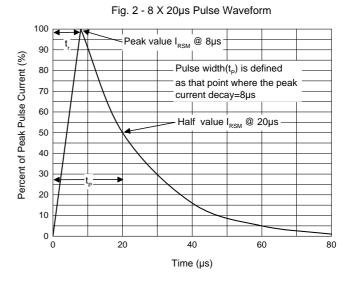
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

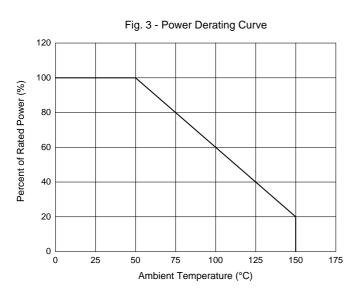
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}	Pin 5 to 2			5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA,Pin 5 to 2	6.1		9.6	V
Reverse Leakage Current	I _R	V _R =5.25V, Pin 5 to 2			0.9	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs, Pin 1,3,4,6 to 2			12	V
Clamping Voltage	V _C	I _{PP} =5A, t _P =8/20μs, Pin 1,3,4,6 to 2			17	V
Junction Capacitance	C _{I/O-GND}	V _R = 0V, f = 1MHz, Pin Capacitance to GND.		0.6	1	pF
Junction Capacitance	C _{I/O-I/O}	V _R = 0V, f = 1MHz, Pin Capacitance to I/O.		0.5	0.8	pF

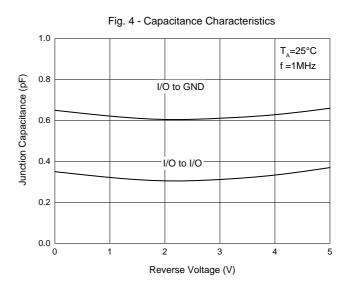


Curve Characteristics









Reverse Peak Pulse Current (A)

2

Fig. 5 - Clamping Voltage Characteristics

6



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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