

Features

- Low Clamping Voltage
- Ultra Low Capacitance
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

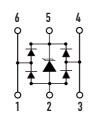
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Number	Device Marking		
SRL05P7	26		

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)	Р _{РК}	90W	

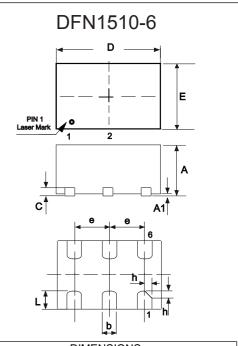
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure



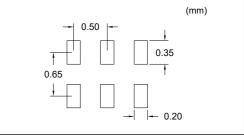
Pin	Identification
1,3,4,6,	Input Lines
5	V _{BUS}
2	Ground





	DIMENSIONS				
DIM	INCHES		MM		NOTE
Divi	MIN	MAX	MIN	MAX	NOTE
Α	0.020	0.024	0.50	0.60	
A1	0.000	0.002	0.00	0.05	
b	0.006	0.010	0.15	0.25	
С	0.006		0.15		TYP.
D	0.055	0.063	1.40	1.60	
E	0.035	0.043	0.90	1.10	
е	0.020		0.50		TYP.
h	0.004	0.006	0.10	0.15	
L	0.010	0.018	0.25	0.45	

SUGGESTED SOLDER PAD LAYOUT



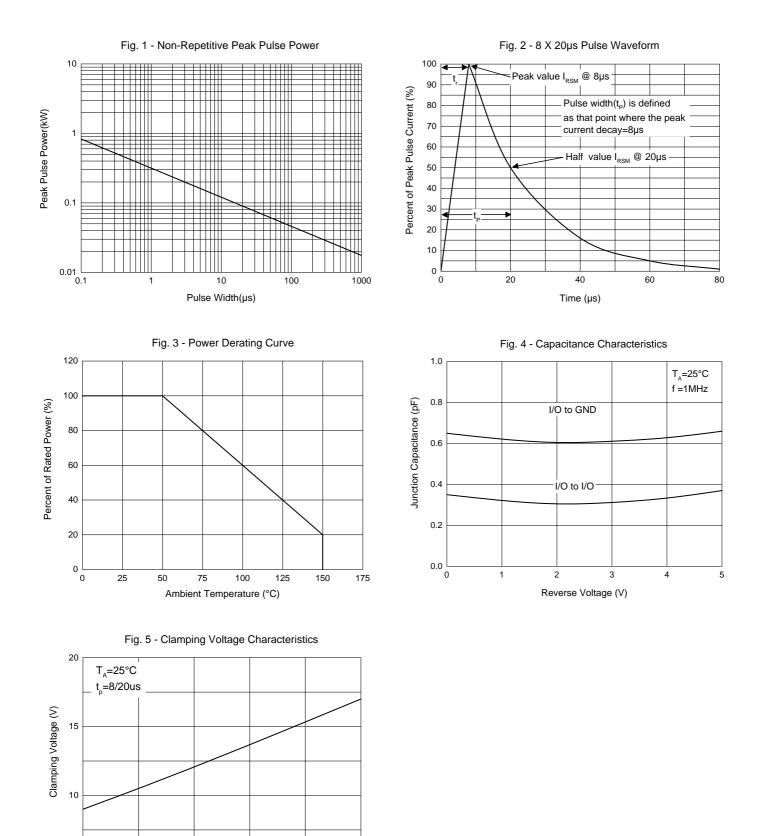


Electrical Characteristics @ 25°C (Unless Otherwise Specified)

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



5 L 1

2

3

Reverse Peak Pulse Current (A)

4

5

6



Ordering Information

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

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