

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

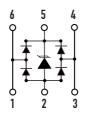
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

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)	P _{PK}	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.

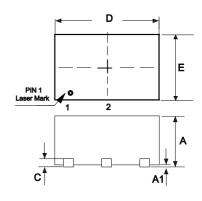
Internal Structure

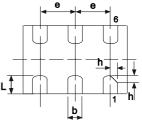


Pin	Identification
1,3,4,6,	Input Lines
5	V_{BUS}
2	Ground

ESD Protection Device

DFN1510-6





	DIMENSIONS				
DIM	INC	INCHES		М	NOTE
DIIVI	MIN	MAX	MIN	MAX	NOIE
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	

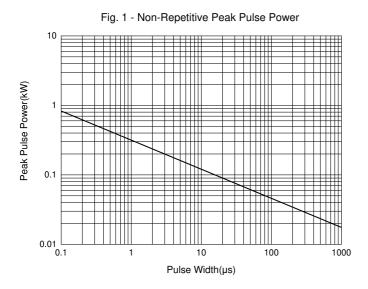


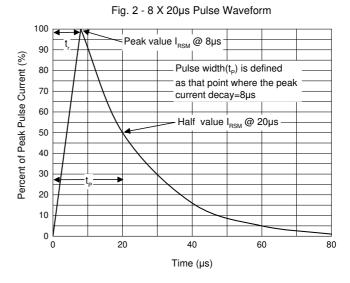
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

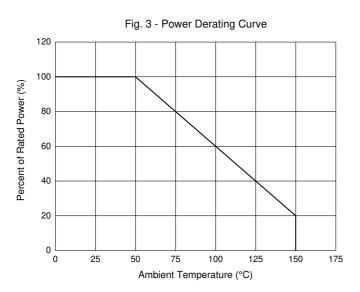
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}	Pin 5 to 2			5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA,Pin 5 to 2	6.1		9.6	V
Reverse Leakage Current	I _R	V _R =5.25V, Pin 5 to 2			0.9	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs, Pin 1,3,4,6 to 2			12	V
Clamping 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

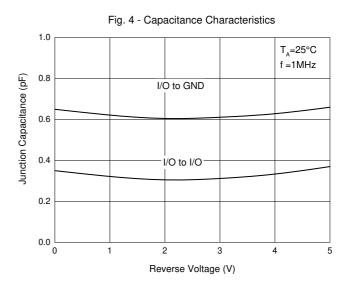


Curve Characteristics





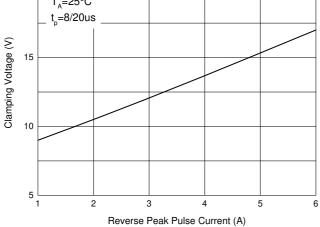






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Fig. 5 - Clamping Voltage Characteristics





Ordering Information

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

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