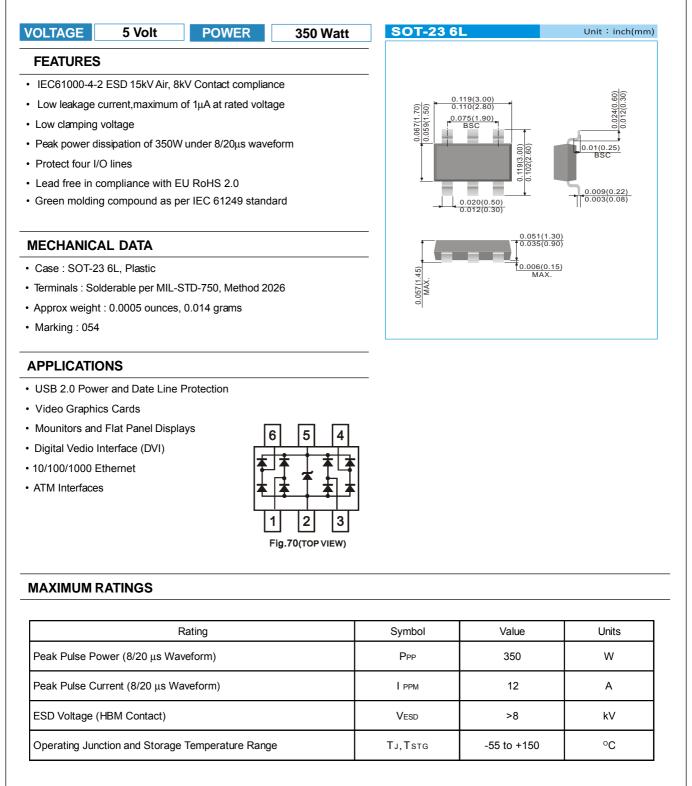


PJSRV05-4

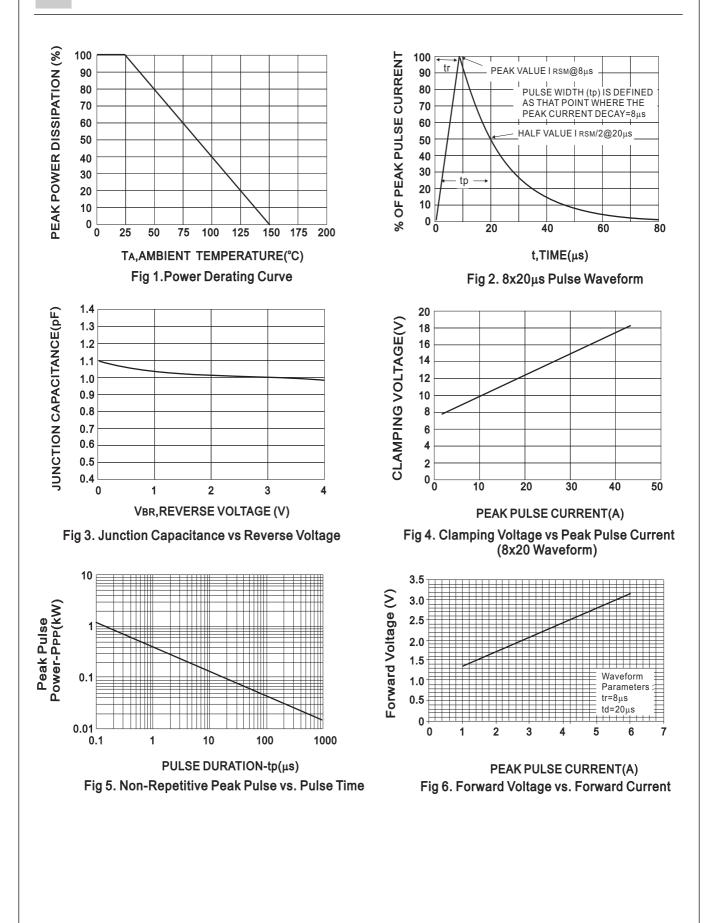
LOW CAPACITANCE TVS DIODE ARRAY

The PJSRV05-4 has a low capacitance of 1.2pF and operates with virtually no insertion loss to 1GHz. This makes the device ideal for protection of high-speed data lines such as USB2.0, firewire, DVI, and gigabit Ethernet interfaces. The low capacitance array configuration allows the user to protect Four high-speed data or transmission lines. The low inductance construction minimizes voltage overshoot during high current surges. They may be used to meet the ESD immunity requirements of IEC61000-4-2, Level 4(15kV air, 8kV contact discharge).



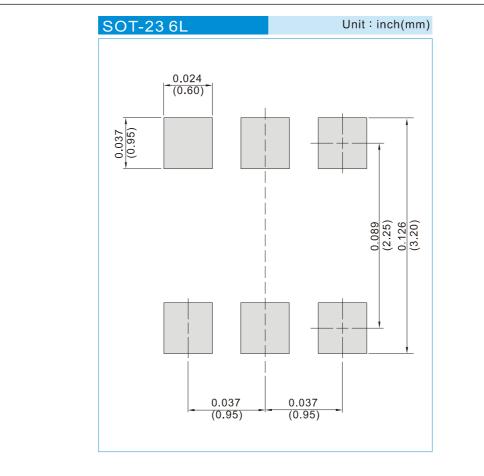


Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Reverse Stand-Off Voltage	Vwrm		-	-	5	V
Reverse Breakdown Voltage	VBR	I _{BR} =1mA, PIN 5 to 2	6	-	-	V
Reverse Leakage Current	IR	VR=5V, PIN 5 to 2	-	1.2	5	μA
Clamping Voltage (8/20μs)	Vc	IPP=1A,ANY I/O pin to pin 2	-	-	12	V
Clamping Voltage (8/20µs)	Vc	IPP=5A,ANY I/O pin to pin 2	-	-	17	V
Off State Junction Capacitance	CJ	0Vdc, f=1.0MHz between I/O lines and GND	-	1.1	1.2	pF
Off State Junction Capacitance	CJ	0Vdc, f=1.0MHz between I/O lines	-	0.55	0.60	pF





MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 10K per 13" plastic Reel

T/R - 3K per 7" plastic Reel



Part No_packing code_Version

PJSRV05-4_R1_00001 PJSRV05-4_R2_00001 PJSRV05-4_S1_00001 PJSRV05-4_S2_00001

For example :

RB500V-40_R2_00001

Part No.

Serial number

Version code means HF

• Packing size code means 13"

• Packing type means T/R

Packing Code XX					Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code		
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number		
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number		
Bulk Packing (B/P)	В	13"	2					
Tube Packing (T/P)	т	26mm	X					
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y					
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U					
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D					



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