	C		
Rating	Symbol	Value	Units
Unidirectional Peak Pulse Power	P _{pp}	80	W
Operating Temperature	TJ	-55 to +150	°C
Storage Temperature	T _{STG}	-55 to +150	°C

Absolute maximum rating@25°C

Parameter Symbol Conditions Min. Max. Units Тур. 5 V Reverse Stand-off Voltage VRWM V_{BR} 7.8 V Reverse Breakdown Voltage $I_t = 1 m A$ 5.6 6.7 Reverse Leakage Current I_R V_{RWM} = 5V T=25℃ 1.0 μA Junction Capacitance Ci $V_R=0V$ f = 1MHz 10 pF

Α

- Cellular phones \triangleright
- Portable devices
- Digital cameras
- Power supplies

Electrical characteristics per line@25℃ (unless otherwise specified)

 bl	lica	tion	S	

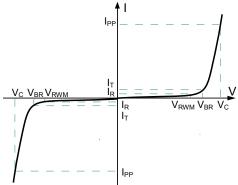
Feature

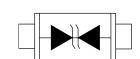
practical.

Description

- 80W peak pulse power per line ($t_P = 8/20\mu s$) ≻
- SOD-923 package \geq
- Replacement for MLV(0402) \triangleright
- Unidirectional or Bidirectional configurationsu ≻
- Response Time is Typically < 1ns \geq
- > ESD protection > 15kV
- Low clamping voltage \triangleright
- **RoHS** compliant ≻
- Transient protection for data lines to IEC61000-4-2(ESD) \geq
 - ±15KV(air), ±8KV(contact); IEC61000-4-4 (EFT) 40A (5/50ns)

The PESDNC9D5VB protects sensitive semiconductor components from damage or upset due to electrostatic discharge (ESD) and other voltage induced transient events. They feature large cross-sectional area junctions for conducting high transient currents, offer desirable electrical characteristics for board level protection, such as fast response time, low operating voltage. It gives designer the flexibility to protect one bi-directional line in applications where arrays are not







PESDNC9D5VB

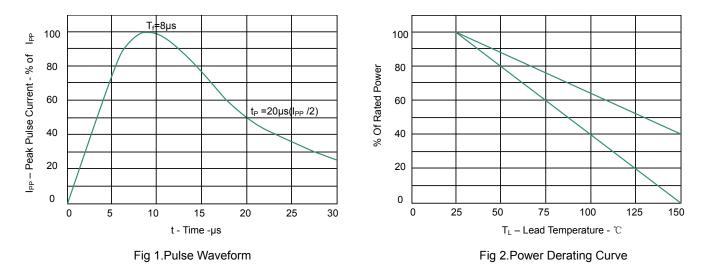
ESD Protector

www.prisemi.com

ESD Protector

PESDNC9D5VB

Typical Characteristics



Product dimension

	SOD-923	PACKAGE	Ē				
← C →				Inches		Millimeters	
	B	Dim	MIN	MAX	MIN	МАХ	
		А	0.030	0.033	0.75	0.85	
		В	0.022	0.026	0.55	0.65	
	<u> </u>	С	0.037	0.041	0.95	1.05	
	D	0.014	0.017	0.36	0.43		
	<u> </u>	E	0.006	0.010	0.15	0.25	
	$\overset{\mid}{D}$	F	0.002	0.006	0.05	0.15	
H]	н	0.003	0.007	0.07	0.17	
fF	-						

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