

Unit : inch(mm)

0.010(0.25)

0.018(0.45)

PJSD03TM ~ PJSD15TM

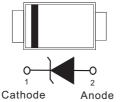
ESD PROTECTION DIODES

FEATURES

- IEC61000-4-2(ESD): ±30kV Air, ±30kV Contact (±15kV Air, ±15kV Contact for 15V)
- IEC61000-4-4(EFT): 40A(5/50nS)
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

Case: SOD-923, Plastic Terminals: Solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Approx.Weight: 0.00002 ounce, 0.0005 gram

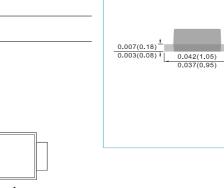


MAXIMUM RATINGS

Rating	Symbol	Value	Units
Peak Pulse Power Dissipation (8/20µs Waveform)	Ррр	40	W
Lead Solder Temperature-Maximum (10 Second Duration)	ΤL	260	°C
Operating Junction and Storage Temperature Range	Тј,Тѕтс	-55 to + 150	°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Rating are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

Note : 1.FR-4 = 70 x 60 x 1mm.



SOD-923

0.026(0.65)

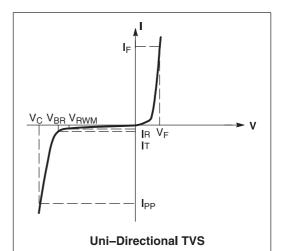
0.034(0.85)





ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

Parameter	Symbol
Maximum Reverse Peak Pulse Current	I pp
Clamping Voltage@I PP	Vc
Working Peak Reverse Voltage	Vrwm
Maximum Reverse Leakage Current@VRWM	l r
Breakdown Voltage @ I ⊤	Vbr
Test Current	Iт
Forward Current	١F
Forward Voltage@I ⊧	VF
Peak Pulse Power Dissipation	Ррр
Max.Capacitance@Vr=0 and f=1MHz	Сл



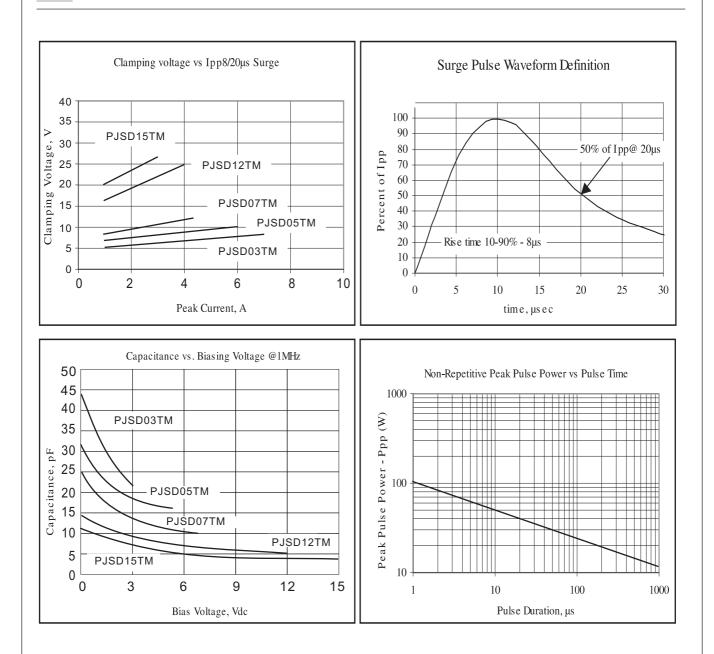
ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted, VF=1.1V Max.@I F=10mA)

Part Number	Vrwm	Ir@Vrwm	V BR@I T (Note 2)	C J (Note 3)	Vc	I PP	Iτ	
	Max.	Max.	Min.	Max.	Max Per 8x20µs			Marking
	V	μA	V	рF	V	А	mA	
PJSD03TM	3.3	2.5	5.4	50	10	6	1.0	h
PJSD05TM	5	1	6.2	35	12	5	1.0	b
PJSD07TM	7	5	7.5	30	15	4	1.0	С
PJSD12TM	12	1	13.3	18	23	3	1.0	d
PJSD15TM	15	1	17.0	15	30	2	1.0	е

Note : 2.VBR is measured with a pulse test current IT at an ambinet temperature of 25°C

3.Capacitance at f=1MHz, VR=0V, TA=25°C

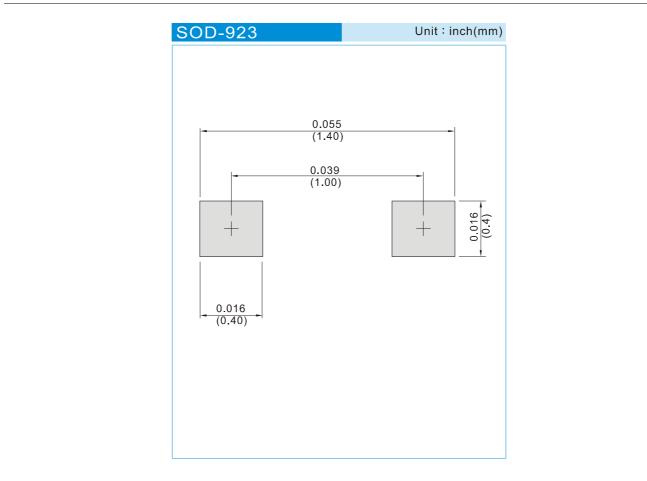








MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 8K per 7" plastic Reel





Part No_packing code_Version

PJSD03TM_R1_00001

For example :

RB500V-40_R2_00001



- Serial number

Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX				Versi	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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