PAGE . 1

Unit : inch(mm)

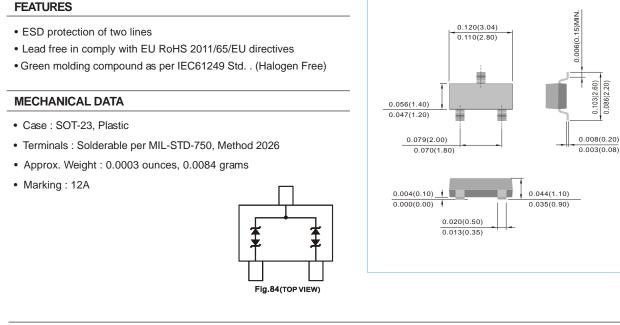
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# PJEC24MTA

24 Volts

LOW CAPACITANCE DOUBLE BIDIRECTIONAL ESD PROTECTION DIODES
--

IPP



4 Amperes

SOT-23

### **MAXIMUM RATINGS AND ELECTRICAL CHATACTERISTICS**

Rating		Value	Units	
Peak Pulse Current on 8/20µs waveform (Notes 1,2,3)	I <sub>PPM</sub>	4	Amps	
ESD Voltage Air Mode	$V_{ESD}$	20	ΚV	
ESD Voltage Contact Mode	V <sub>ESD</sub>	20	ΚV	
Operating Temperature And Storage Temperature	T_J,T <sub>STG</sub>	-55 to +150	°C	

### **ELECTRICALCHATACTERISTICS**

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Stand-Off Voltage (Notes 4)	V <sub>RWM</sub>	-	-	-	24	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>BR</sub> =5mA	25.4	-	30.3	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =24V	-	-	50	nA
Clamping Voltage (8/20µs)	V <sub>c</sub>	I <sub>PP</sub> =4A	-	-	50	V
Off State Junction Capacitance	C	V <sub>R</sub> =0V, f=1MHz	-	11	-	pF

NOTES :

1. Non-repetitive current pulse.

2. Mounted on copper pads to each terminal.

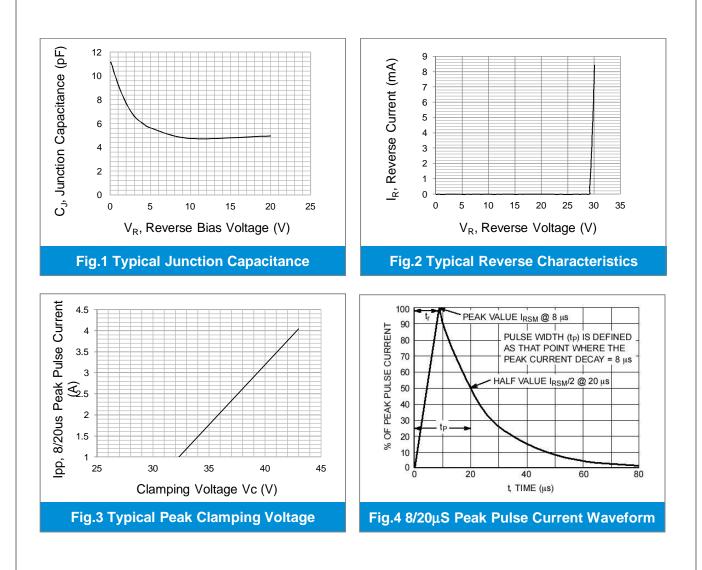
3. Peak pulse power waveform is  $8/20\mu s$ .

4. A transient suppressor is selected according to the working peak reverse voltage (VRWM), which should be equal to or greater than the DC or continuous peak operating voltage level.

#### July 11,2013-REV.00

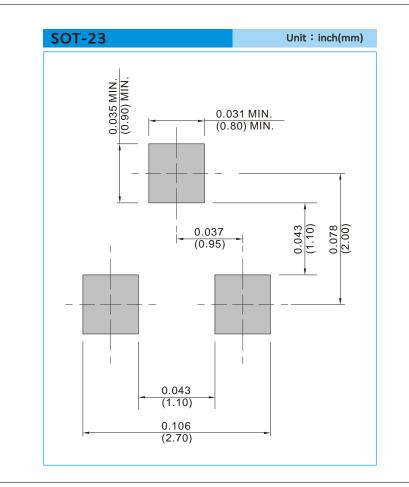


VOLTAGE





#### MOUNTING PAD LAYOUT



#### **ORDER INFORMATION**

Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel



### Part No\_packing code\_Version

PJEC24MTA\_R1\_00001 PJEC24MTA\_R2\_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 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	A	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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