PAGE . 1

Unit : inch(mm)

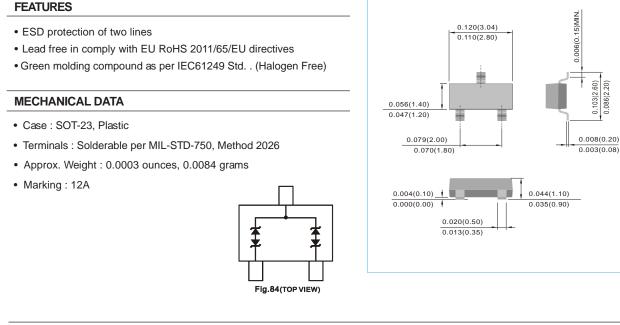
0.086(2.20)

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 _{PPM}	4	Amps	
ESD Voltage Air Mode	V_{ESD}	20	ΚV	
ESD Voltage Contact Mode	V _{ESD}	20	ΚV	
Operating Temperature And Storage Temperature	T_J,T _{STG}	-55 to +150	°C	

ELECTRICALCHATACTERISTICS

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

NOTES :

1. Non-repetitive current pulse.

2. Mounted on copper pads to each terminal.

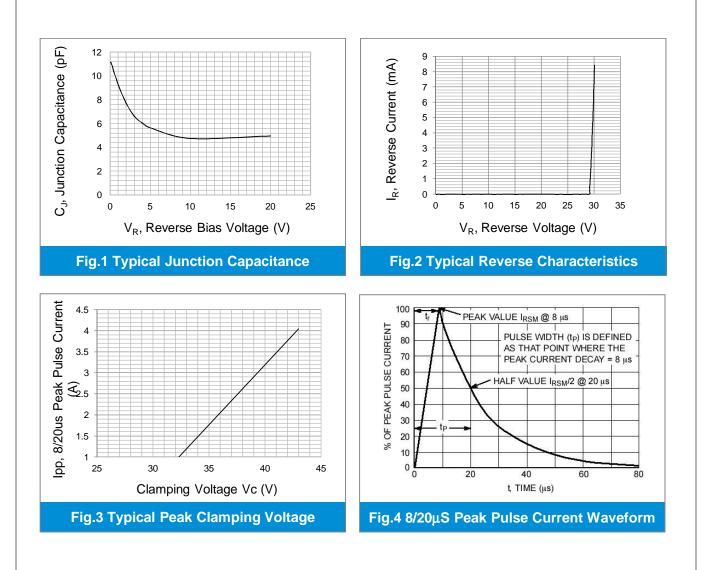
3. Peak pulse power waveform is $8/20\mu s$.

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

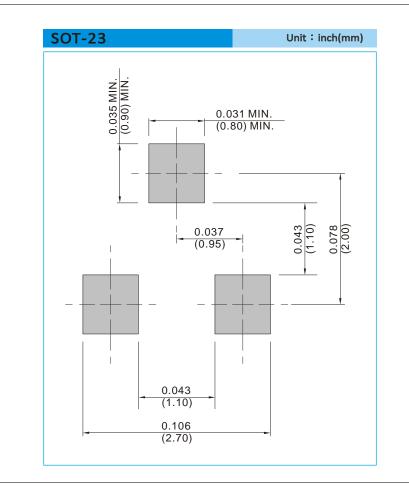


VOLTAGE





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 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)	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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