PAGE . 1

Unit : inch(mm)

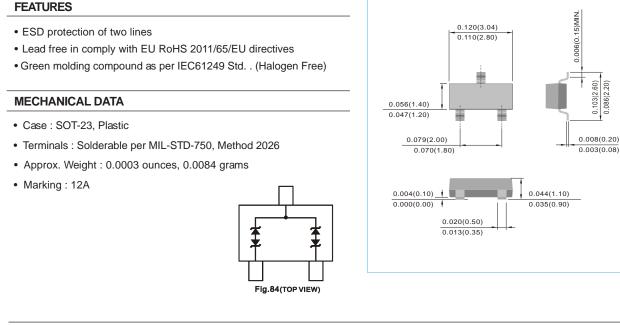
0.086(2.20)

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.

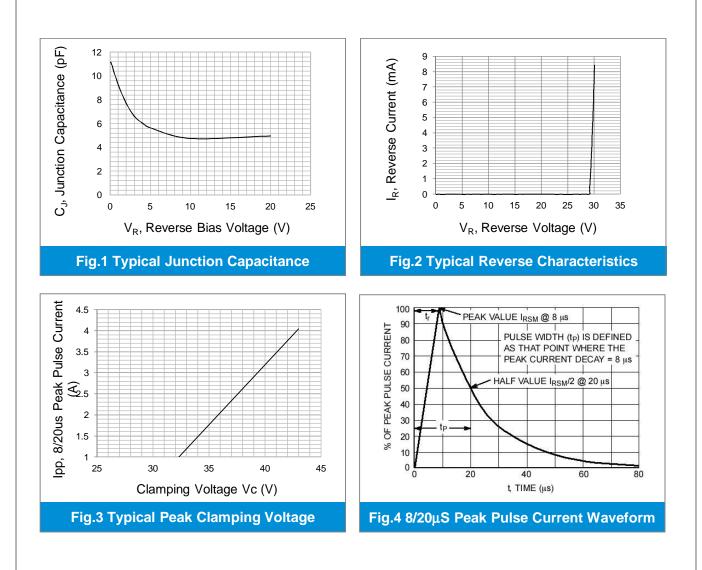
3. Peak pulse power waveform is $8/20\mu s$.

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

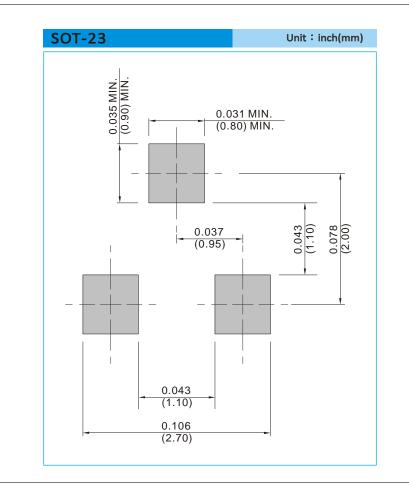


VOLTAGE





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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