



**THE DATASHEET OF
PJGBLC03C_R1_00001**





PJGBLC03~PJGBLC24C SERIES

ULTRA LOW CAPACITANCE TVS ARRAY

VOLTAGE 3.3~24 Volt **POWER** 350 Watt

SOD-323

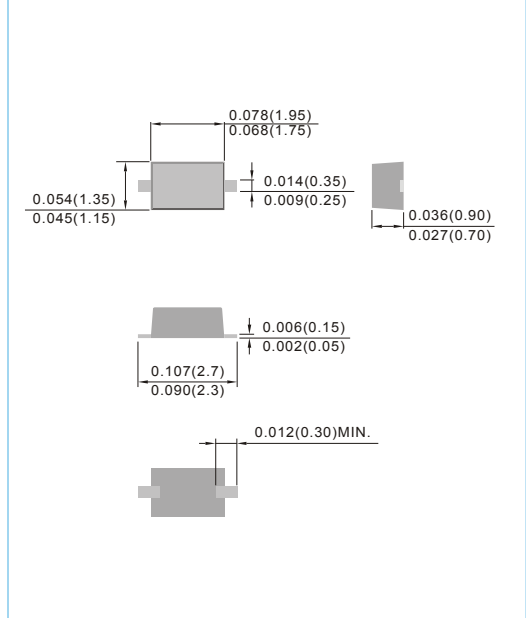
Unit : inch(mm)

FEATURES

- IEC 61000-4-2 ESD ± 30 kV air, ± 30 kV Contact
- IEC61000-4-4(EFT): 40A(5/50nS)
- Unidirectional & Bidirectional Configurations
- Replacement for MLV (0805)
- Protects One Power or I/O Port
- Low Clamping Voltage
- Ultra Low Capacitance : 3pF Maximum
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

MECHANICAL DATA

- Case: SOD-323,Molded plastic over passivated junction
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0001 ounces, 0.0041 grams



MAXIMUM RATINGS (@25°C unless otherwise specified)

| PARAMETER | SYMBOL | VALUE | UNITS |
|---|----------------------------------|-------------|-------|
| Peak Pulse Power ($t_P=8/20\mu s$)-See Figure 1 | P _{PP} | 350 | W |
| Operating and Storage Temperature Range | T _J ,T _{STG} | -55 to +150 | °C |



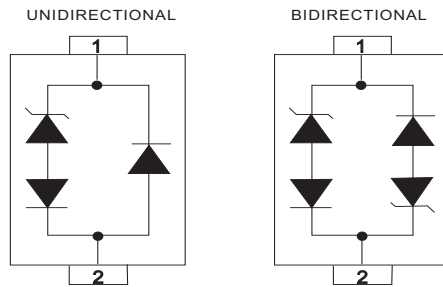
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ELECTRICAL CHARACTERISTICS PER LINE (@25°C unless otherwise specified)

| Part Number (See Notes1-2) | Peak Power Dissipation @8/20μs P _{PPM} | Rated-Stand- Off Voltage | Reverse Breakdown Voltage | | | Maximum Clamping Voltage (See Fig.2) @8/20μs P _{PPM} | | Leakage Current | Off-State Capacitance, 1MHz Zero dc Bias | | Marking Code |
|-------------------------------|--|-----------------------------|----------------------------------|-------|---------------------------------|---|-----------------------------------|--------------------|---|----|-----------------|
| | | | V _{BR} @ I _T | | V _C @I _{PP} | | I _R @ V _{RWM} | | 0V@1MHz | | |
| | | | Max. | Min. | Max. | I _T | Max. | | Co | | |
| | | | V | V | V | mA | V | | A | μA | |
| PJGBLC03 | 350 | 3.3 | 4.75 | 5.25 | 1 | 7.5 | 1 | 20 | 3 | AA | |
| PJGBLC03C | 350 | 3.3 | 4.75 | 5.25 | 1 | 7.5 | 1 | 20 | 3 | AQ | |
| PJGBLC05 | 350 | 5.0 | 7.03 | 7.77 | 1 | 9.8 | 1 | 5 | 3 | AB | |
| PJGBLC05C | 350 | 5.0 | 7.03 | 7.77 | 1 | 9.8 | 1 | 5 | 3 | AL | |
| PJGBLC08 | 350 | 8.0 | 8.93 | 9.87 | 1 | 13.4 | 1 | 1 | 3 | AC | |
| PJGBLC08C | 350 | 8.0 | 8.93 | 9.87 | 1 | 13.4 | 1 | 1 | 3 | AR | |
| PJGBLC12 | 350 | 12 | 13.97 | 15.44 | 1 | 19 | 1 | 1 | 3 | AJ | |
| PJGBLC12C | 350 | 12 | 13.97 | 15.44 | 1 | 19 | 1 | 1 | 3 | AM | |
| PJGBLC15 | 350 | 15 | 17.39 | 19.22 | 1 | 24 | 1 | 1 | 3 | AS | |
| PJGBLC15C | 350 | 15 | 17.39 | 19.22 | 1 | 24 | 1 | 1 | 3 | AN | |
| PJGBLC24 | 350 | 24 | 27.27 | 30.14 | 1 | 43 | 1 | 1 | 3 | AT | |
| PJGBLC24C | 350 | 24 | 27.27 | 30.14 | 1 | 43 | 1 | 1 | 3 | AP | |

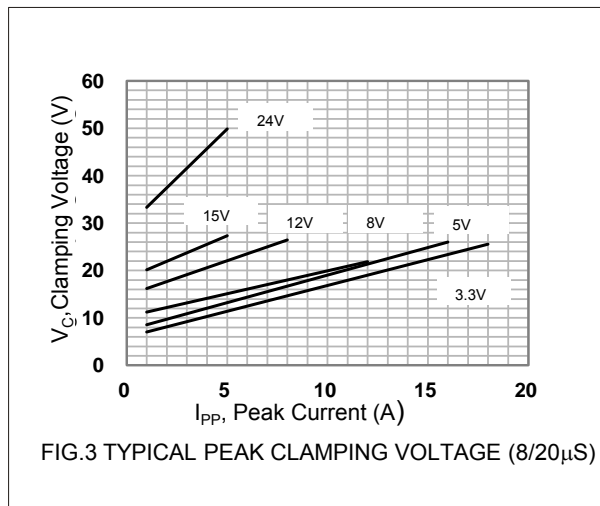
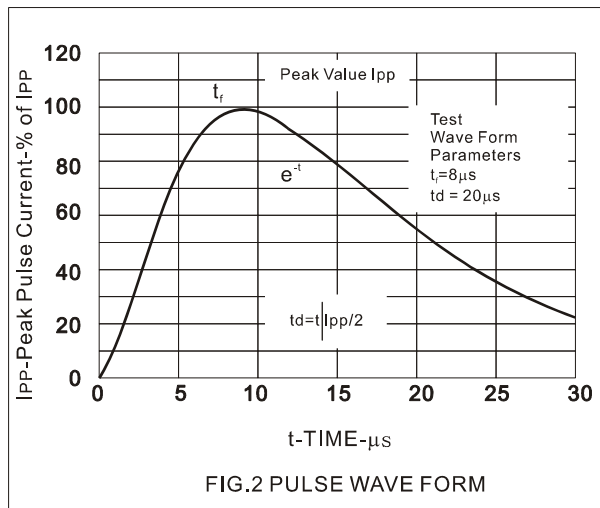
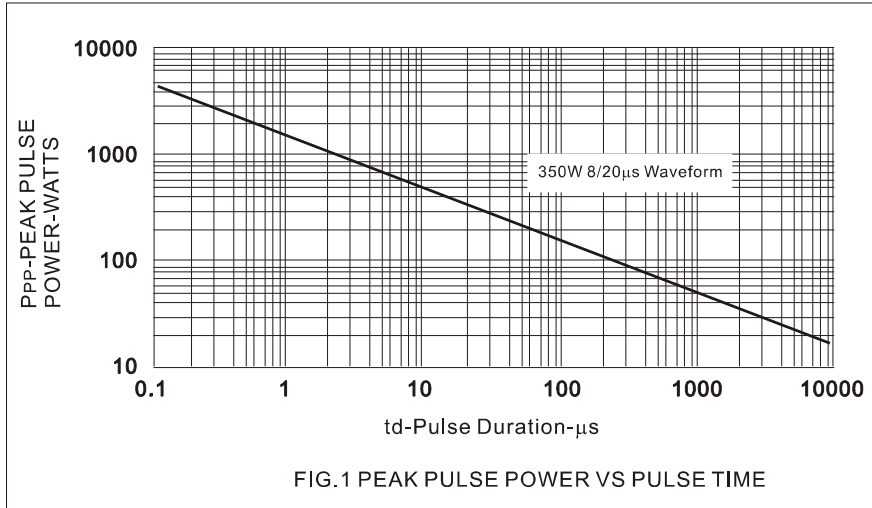
NOTES:

- 1.Part numbers with an additional "C" suffix are bidirectional devices,i.e.,PJGBLC03 C
- 2.Unidirectional Only : Positive potential is applied from pin 2 to 1





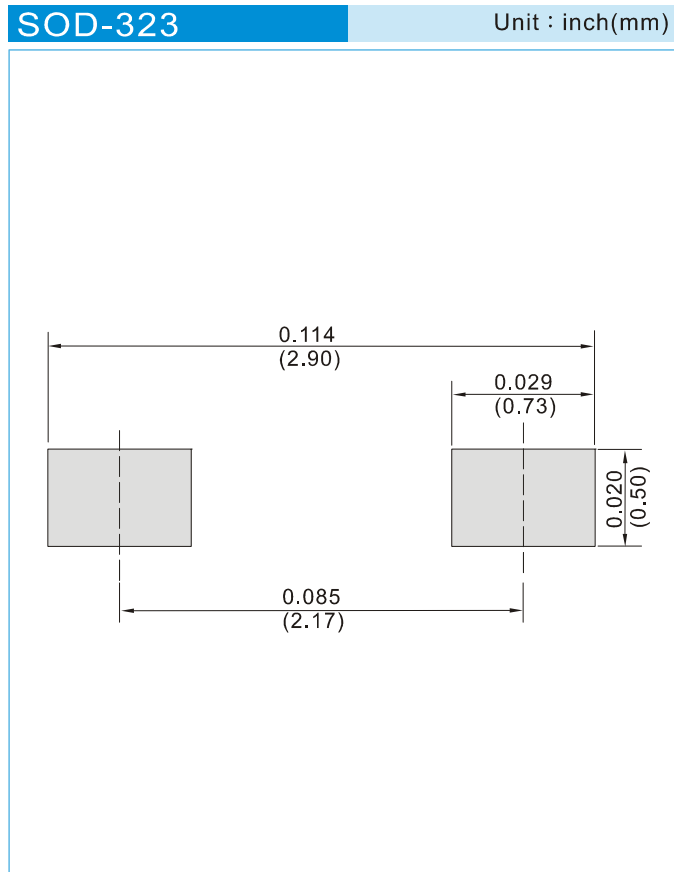
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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 12K per 13" plastic Reel
T/R - 5K per 7" plastic Reel



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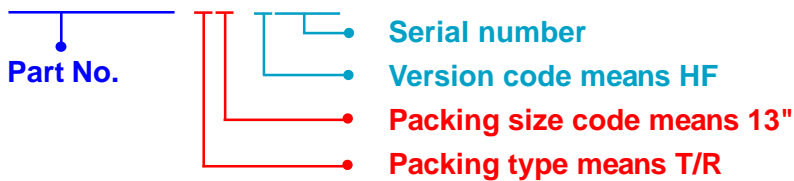
Part No_packing code_Version

PJGBLC03_R1_00001

PJGBLC03_R2_00001

For example :

RB500V-40_R2_00001



| 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) | B | 13" | 2 | | | |
| Tube Packing (T/P) | T | 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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