

## PJGBLC03-AU~PJGBLC24C-AU SERIES

### ULTRA LOW CAPACITANCE TVS ARRAY

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

**SOD-323**

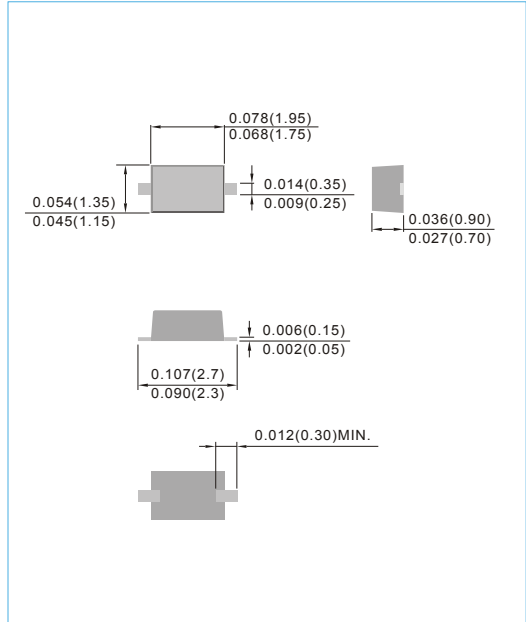
Unit : inch(mm)

### FEATURES

- IEC 61000-4-2 ESD  $\pm 30\text{kV}$  air,  $\pm 30\text{kV}$  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
- AEC-Q101 qualified
- 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 ( $t_P=8/20\mu\text{s}$ )-See Figure 1	$P_{PP}$	350	Watts
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55 to +150	°C

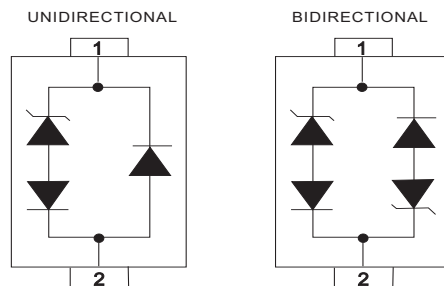
## PJGBLC03-AU~PJGBLC24C-AU SERIES

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

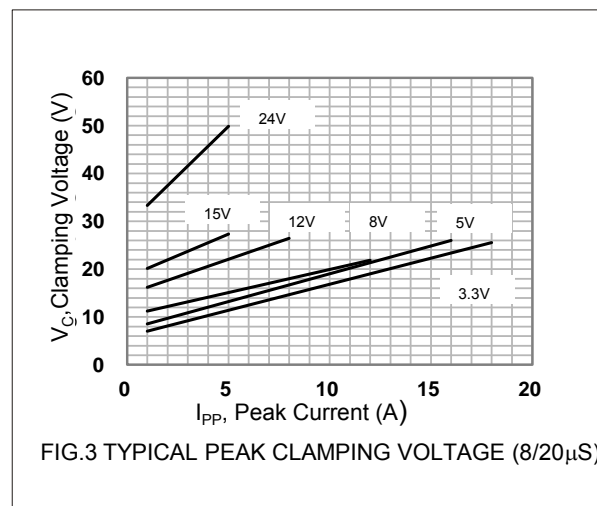
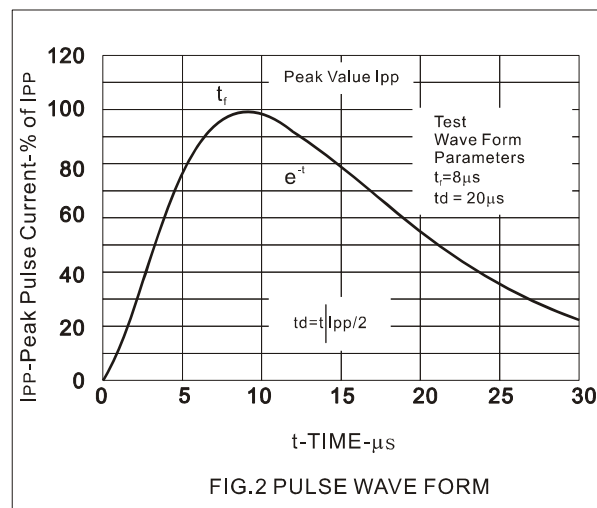
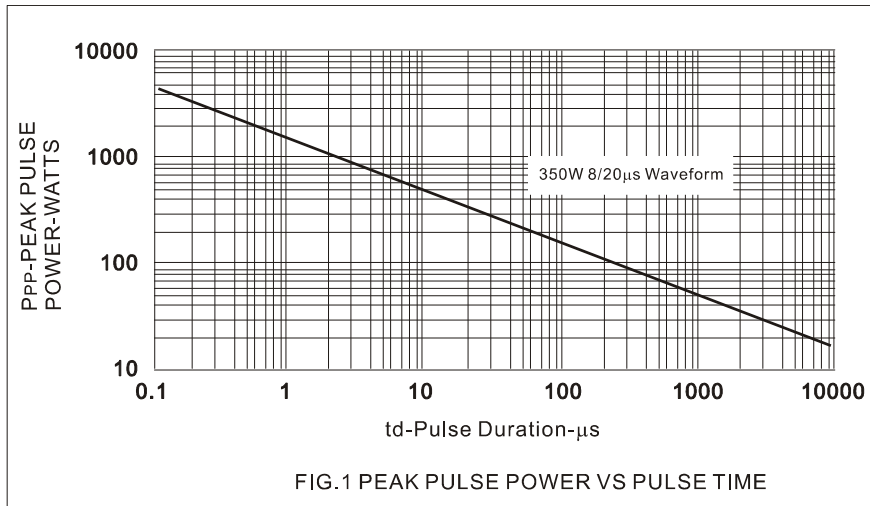
Part Number (See Notes1-2)	Peak Power Dissipation @8/20μs PPPM	Rated-Stand- Off Voltage	Reverse Breakdown Voltage				Maximum Clamping Voltage (See Fig.2) @8/20μs P <sub>PPM</sub>		Leakage Current	Off-State Capacitance, 1MHz Zero dc Bias	Marking Code
										0V@1MHz	
		V <sub>RWM</sub>	V <sub>BR</sub>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

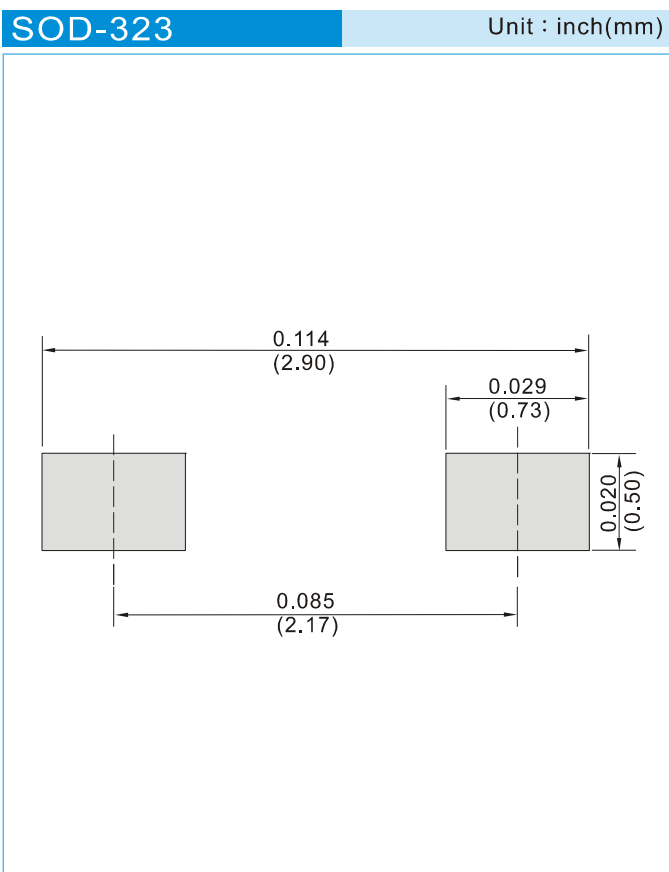


## PJGBLC03-AU~PJGBLC24C-AU SERIES



## PJGBLC03-AU~PJGBLC24C-AU SERIES

### MOUNTING PAD LAYOUT



### ORDER INFORMATION

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



## PJGBLC03-AU~PJGBLC24C-AU SERIES

### Part No\_packing code\_Version

PJGBLC03-AU\_R1\_000A1

PJGBLC03-AU\_R2\_000A1

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 <b>XX</b>				Version Code <b>XXXXX</b>		
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)	<b>A</b>	N/A	<b>0</b>	HF	<b>0</b>	serial number
Tape and Reel (T/R)	<b>R</b>	7"	<b>1</b>	RoHS	<b>1</b>	serial number
Bulk Packing (B/P)	<b>B</b>	13"	<b>2</b>			
Tube Packing (T/P)	<b>T</b>	26mm	<b>X</b>			
Tape and Reel (Right Oriented) (TRR)	<b>S</b>	52mm	<b>Y</b>			
Tape and Reel (Left Oriented) (TRL)	<b>L</b>	PANASERT T/B CATHODE UP (PBCU)	<b>U</b>			
FORMING	<b>F</b>	PANASERT T/B CATHODE DOWN (PBCD)	<b>D</b>			



## PJGBLC03-AU~PJGBLC24C-AU SERIES

---

### Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panjit:

[PJGBLC15-AU\\_R1\\_000A1](#) [PJGBLC15-AU\\_R2\\_000A1](#)