

## PJGBLC03-AU~PJGBLC24C-AU SERIES

### ULTRA LOW CAPACITANCE TVS ARRAY

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

**SOD-323**

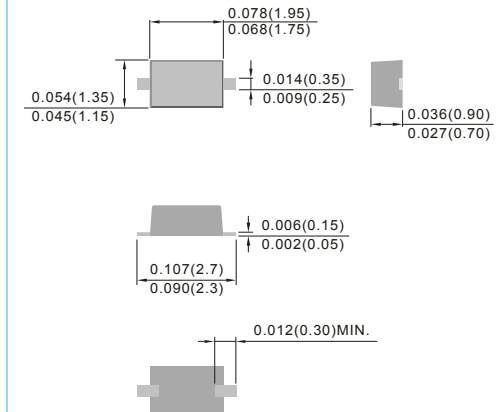
Unit : inch(mm)

### 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

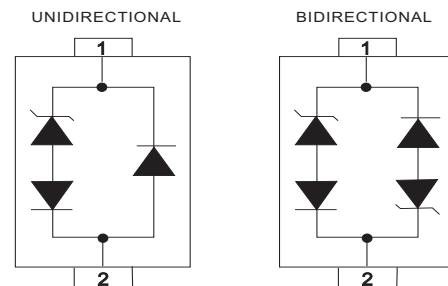
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### ELECTRICAL CHARACTERISTICS PER LINE (@25°C unless otherwise specified)

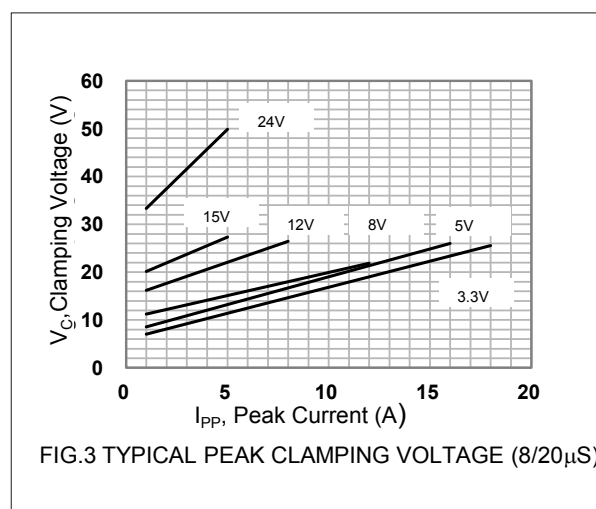
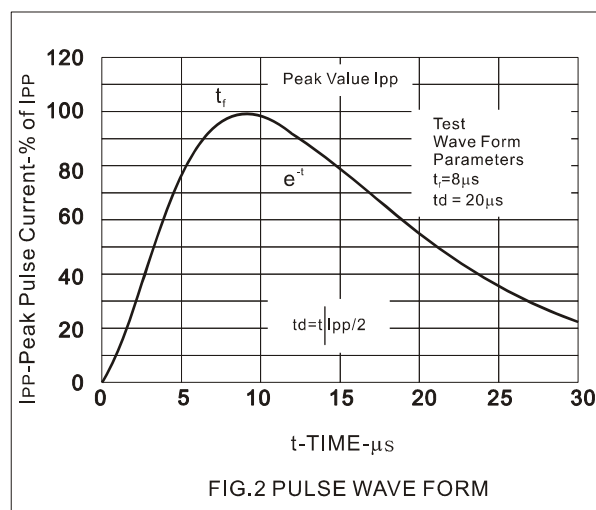
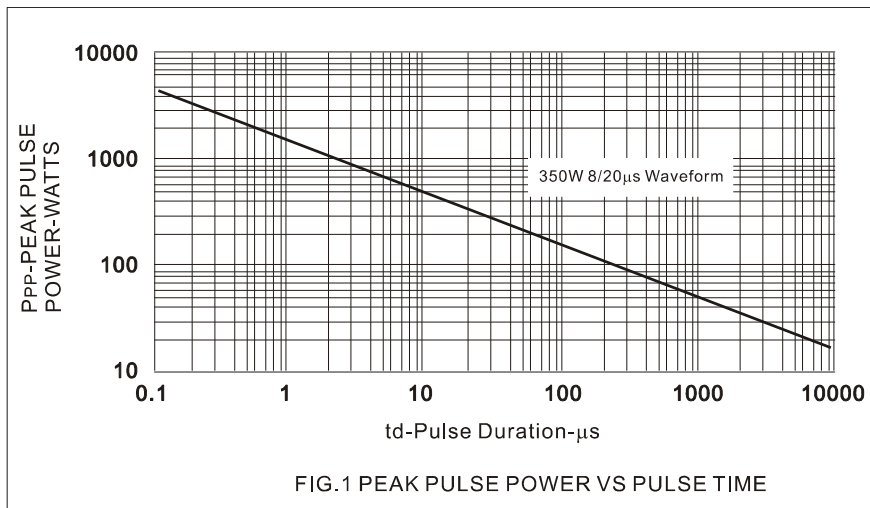
Part Number (See Notes1-2)	Peak Power Dissipation @8/20μs P <sub>PPM</sub>	Rated-Stand- Off Voltage	Reverse Breakdown Voltage			Maximum Clamping Voltage (See Fig.2) @8/20μs P <sub>PPM</sub>		Leakage Current	Off-State Capacitance, 1MHz Zero dc Bias	Marking Code
									0V@1MHz	
			V <sub>RWM</sub>	V <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. V	Min. V	Max. V	I <sub>T</sub> mA	V A	Max. μA	Max. 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	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



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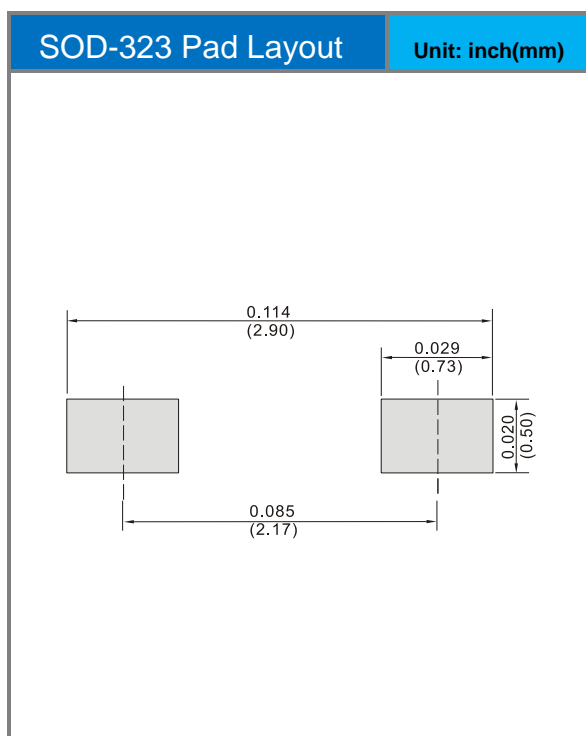
## PJGBLC03-AU~PJGBLC24C-AU SERIES

### Product and Packing Information

Part No.	Package Type	Packing Type	Marking
PJGBLC03-AU	SOD-323	5K pcs / 7" reel	AA
PJGBLC03-AU	SOD-323	12K pcs / 13" reel	AA
PJGBLC03C-AU	SOD-323	5K pcs / 7" reel	AQ
PJGBLC03C-AU	SOD-323	12K pcs / 13" reel	AQ
PJGBLC05-AU	SOD-323	5K pcs / 7" reel	AB
PJGBLC05-AU	SOD-323	12K pcs / 13" reel	AB
PJGBLC05C-AU	SOD-323	5K pcs / 7" reel	AL
PJGBLC05C-AU	SOD-323	12K pcs / 13" reel	AL
PJGBLC08-AU	SOD-323	5K pcs / 7" reel	AC
PJGBLC08-AU	SOD-323	12K pcs / 13" reel	AC
PJGBLC08C-AU	SOD-323	5K pcs / 7" reel	AR
PJGBLC08C-AU	SOD-323	12K pcs / 13" reel	AR
PJGBLC12-AU	SOD-323	5K pcs / 7" reel	AJ
PJGBLC12-AU	SOD-323	12K pcs / 13" reel	AJ
PJGBLC12C-AU	SOD-323	5K pcs / 7" reel	AM
PJGBLC12C-AU	SOD-323	12K pcs / 13" reel	AM
PJGBLC15-AU	SOD-323	5K pcs / 7" reel	AS
PJGBLC15-AU	SOD-323	12K pcs / 13" reel	AS
PJGBLC15C-AU	SOD-323	5K pcs / 7" reel	AN
PJGBLC15C-AU	SOD-323	12K pcs / 13" reel	AN
PJGBLC24-AU	SOD-323	5K pcs / 7" reel	AT
PJGBLC24-AU	SOD-323	12K pcs / 13" reel	AT
PJGBLC24C-AU	SOD-323	5K pcs / 7" reel	AP
PJGBLC24C-AU	SOD-323	12K pcs / 13" reel	AP

## PJGBLC03-AU~PJGBLC24C-AU SERIES

### Mounting Pad Layout



## **PJGBLC03-AU~PJGBLC24C-AU SERIES**

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