



PJGBLC03~PJGBLC24C SERIES

ULTRA LOW CAPACITANCE TVS ARRAY

VOLTAGE 3.0~24 Volts **POWER** 350 Watts

SOD-323

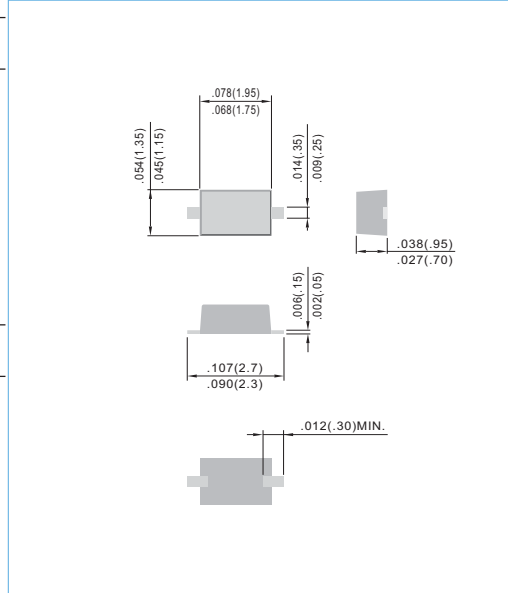
Unit: inch (mm)

FEATURES

- 61000-4-2(ESD) : Air-15KV,Contact-8KV
- Unidirectional & Bidirectional Configurations
- Replacement for MLV (0805)
- Protects One Power or I/O Port
- Low Clamping Voltage
- Ultra Low Capacitance : 3pF Maximum
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

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



MAXIMUM RATINGS (@25°C unless otherwise specified)

PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (t _P =8/20μs)-See Figure 1	P _{PP}	350	Watts
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 to +150	°C



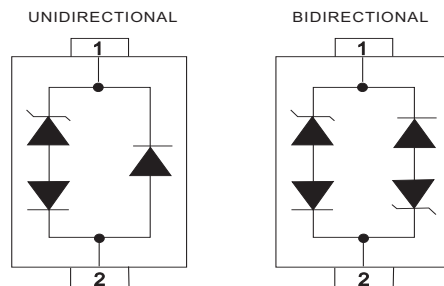
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ELECTRICAL CHARACTERISTICS PER LINE (@25°C unless otherwise specified)

Part Number (See Notes1-2)	Peak Power Dissipation @8/20μs PPPM	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 _{RWM}		V _{BR} @ I _T		V _C @I _{PP}			I _R @ V _{RWM}		0V@1MHz
			Max.		Min.	Max.				Max.		Max.
			W	V	V	V	mA	V		A		μA
PJGBLC03	350	3.0	4.75	5.25	1	7.5	1	20	3	AA		
PJGBLC03C	350	3.0	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:

- Part numbers with an additional "C" suffix are bidirectional devices, i.e., PJGBLC03C
- Unidirectional Only : Positive potential is applied from pin 2 to 1





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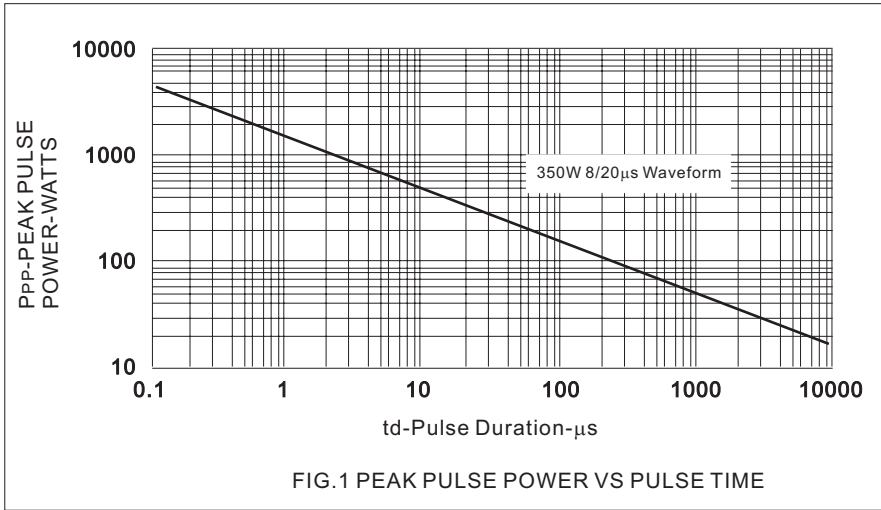


FIG.1 PEAK PULSE POWER VS PULSE TIME

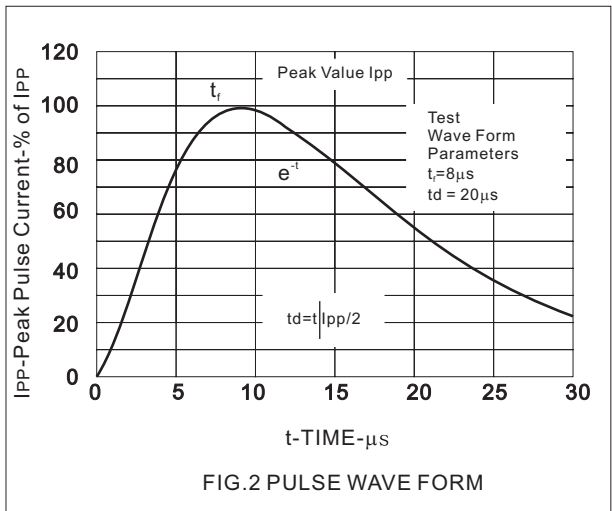
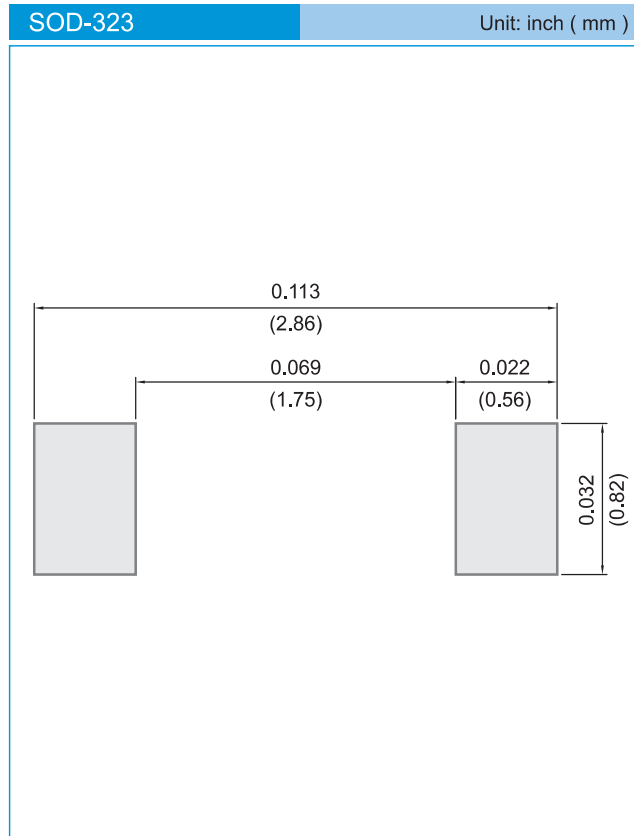


FIG.2 PULSE WAVE FORM



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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

LEGAL STATEMENT

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