

PJSOT05CW SERIES

STANDARD CAPACITANCE TVS ARRAY

VOLTAGE 5~24 Volts **POWER** 200 Watts

SOT-323 Unit: inch (mm)

FEATURES

- 200 Watts Peak Pulse Power per Line ($t_p=8/20 \mu s$)
- Low Clamping Voltage
- Unidirectional & Bidirectional Configurations
- IEC61000-4-2,Level 4
- Lead free in comply with EU RoHS 2011/65/EU directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

Case: SOT-323

Terminals : Solderable per MIL-STD-750,Method 2026

Approx Weight: 0.005 grams

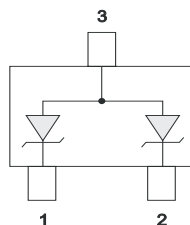
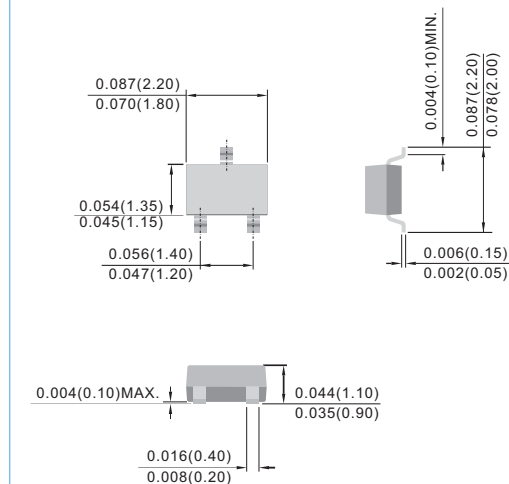


Fig.25



DEVICE CHARACTERISTICS

Ratings at 25°C unless otherwise specified.

PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power ($t_p=8/20 \mu s$)	P_{PP}	200	Watts
Operating Temperature	T_J	-55 to +150	°C
Storage Temperature	T_{STG}	-55 to +150	°C
Forward Voltage@ 100mA,300μs-Square Wave	V_F	1.5	Volts

ELECTRICAL CHARACTERISTICS

Part Number	Reverse Stand-off Voltage	Minum Breakdown Voltage	Max Clamping Voltage @ 8/20 μsec	Peak Pulse Current 8/20 μsec	Maximum Leakage Current	Off-State Capacitance, 1MHz Zero dc Bias	Marking Code
	V_{RWM}	@1mA V_{BR}	V_{CL} @ I_{PP}	I_{PP}	@ V_{RWM} I_D	C_d	
	Max. V	V	V	A	μA	Max. pF	
PJSOT05CW	5	6	9	7	5	110	2C
PJSOT24CW	24	26.7	43	4	1	30	6CA

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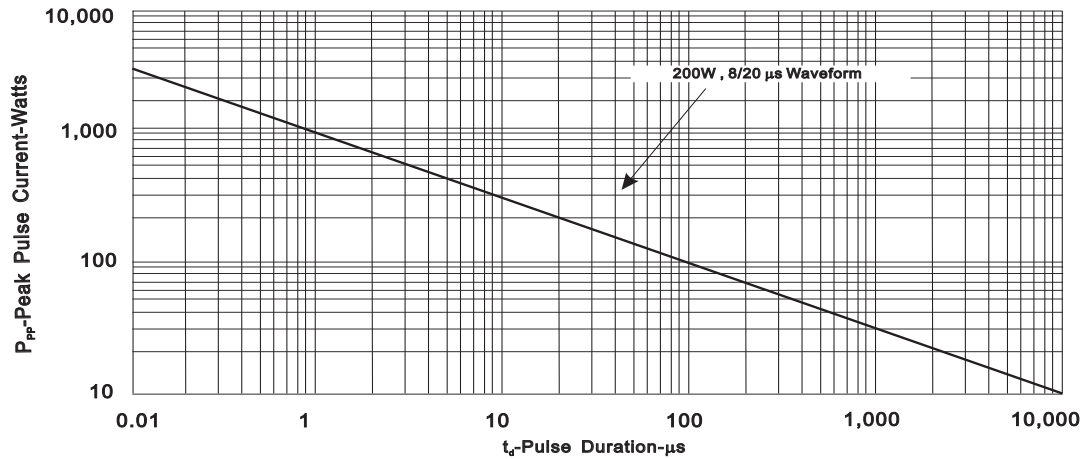


FIG.1- PEAK PULSE POWER VS PULSE TIME

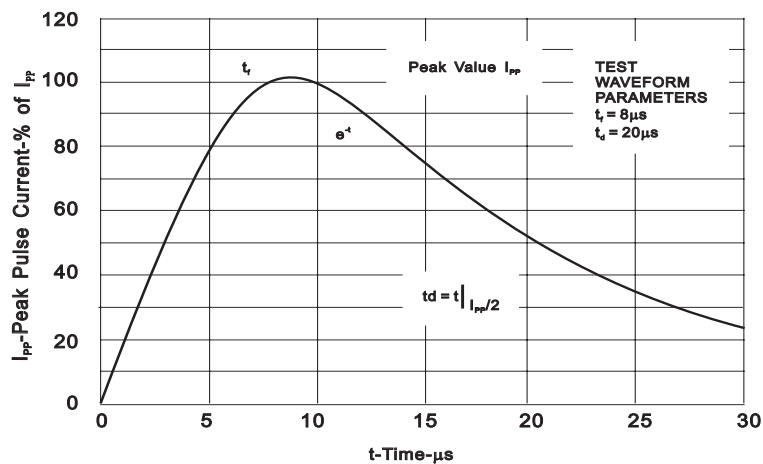


FIG.2- PULSE WAVE FORM

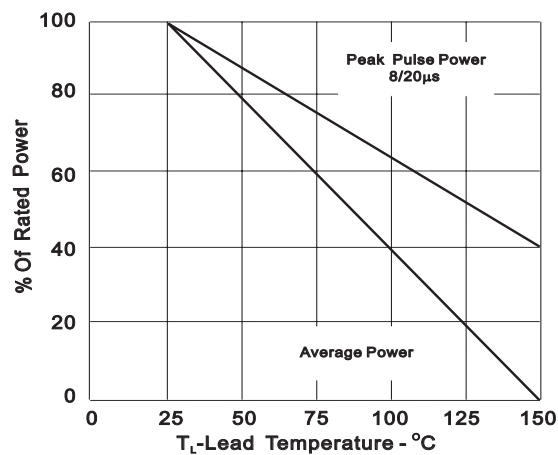
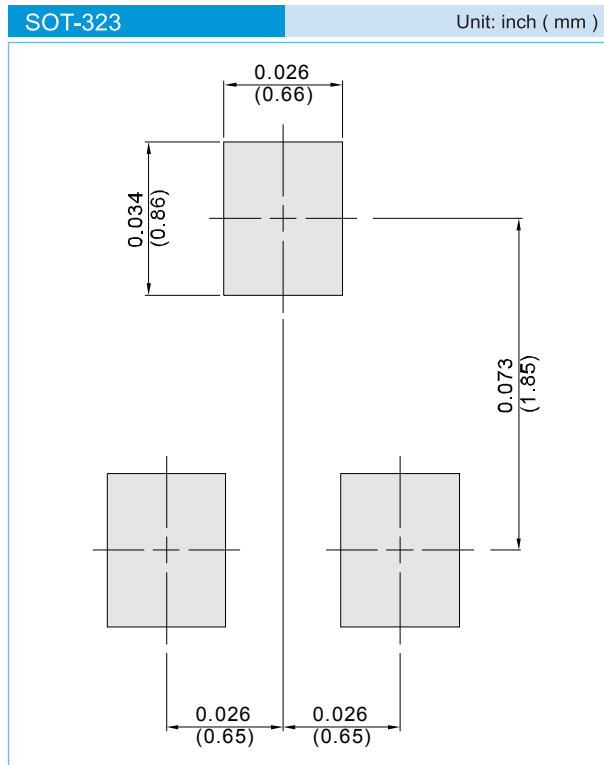


FIG.3- POWER DERATING CURVE

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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel

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Part No_packing code_Version

PJSOT05CW_R1_00001

PJSOT05CW_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)	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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