

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

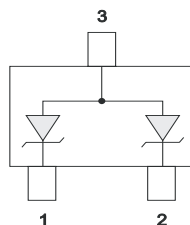
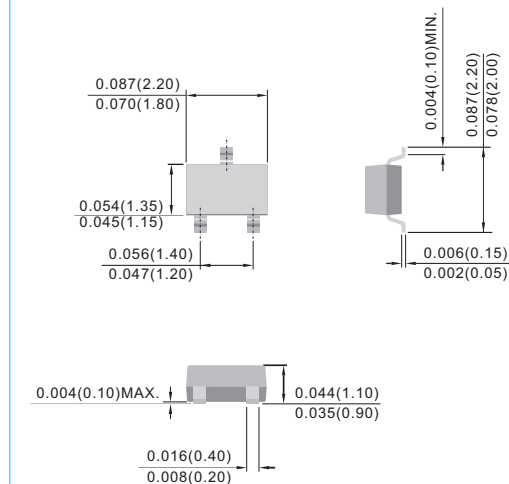


Fig.25



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

PJSOT05CW SERIES

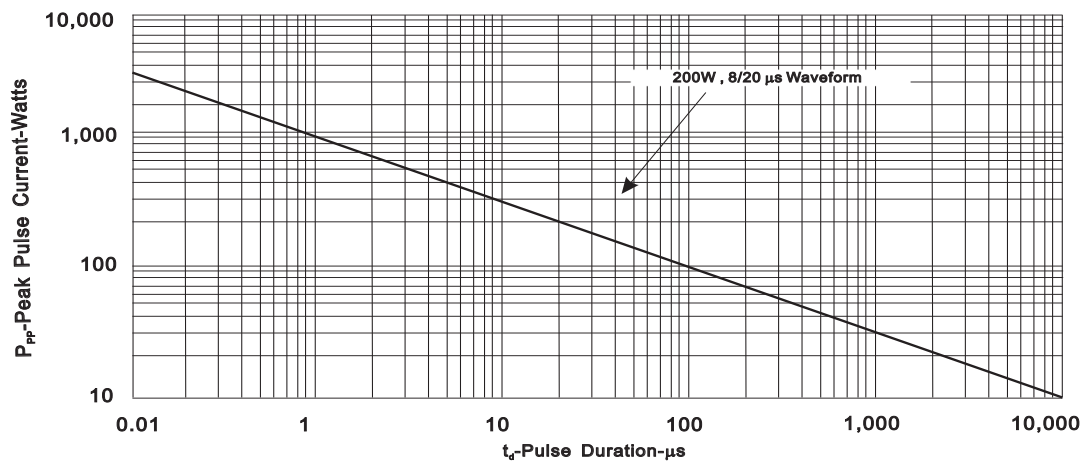


FIG.1- PEAK PULSE POWER VS PULSE TIME

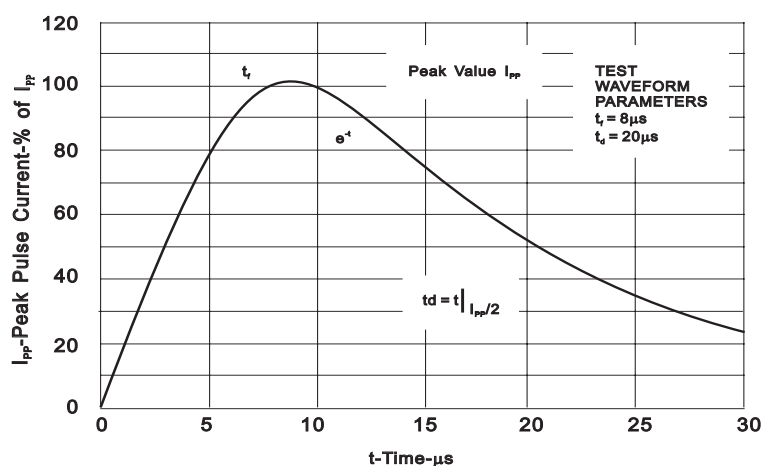


FIG.2- PULSE WAVE FORM

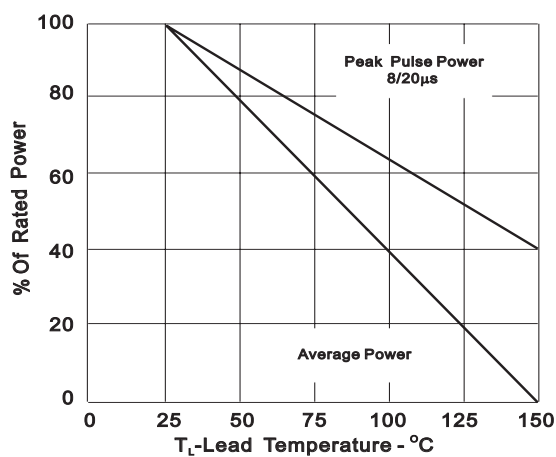
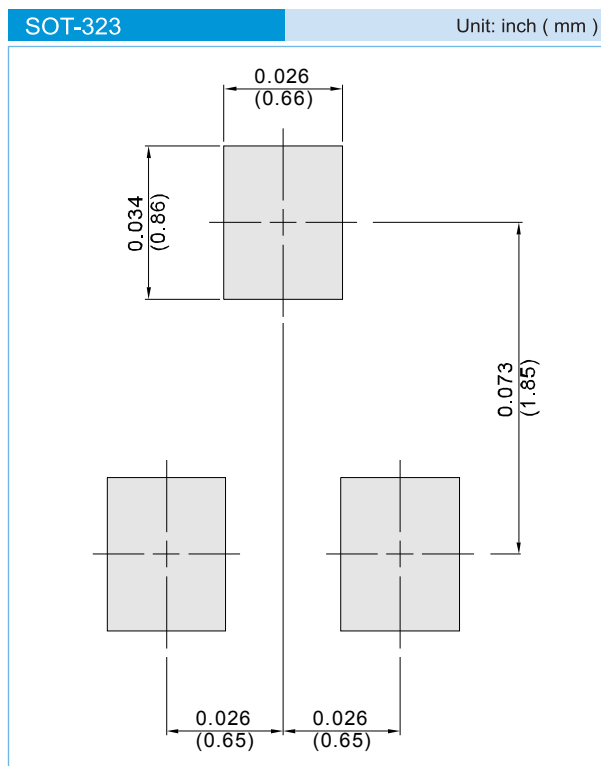


FIG.3- POWER DERATING CURVE

PJSOT05CW SERIES

MOUNTING PAD LAYOUT



ORDER INFORMATION

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

PJSOT05CW SERIES

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			



PJSOT05CW 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 requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, 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:

[PJSOT05CW_R1_10001](#) [PJSOT05CW_R2_00001](#) [PJSOT05CW_R1_00001](#) [PJSOT05CW_R2_10001](#)