



PJSOT03~PJSOT36

STANDARD CAPACITANCE TVS ARRAY

VOLTAGE 3 ~ 36 Volts **POWER** 500 Watts

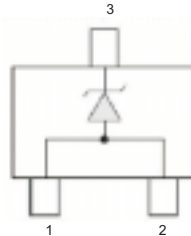
FEATURES

- 500 Watts Peak Pulse Power per Line ($t_p=8/20 \mu s$)
- Low Clamping Voltage
- Available for working Voltage Ranging from 3V and 36V
- In compliance with EU RoHS 2002/95/EC directives

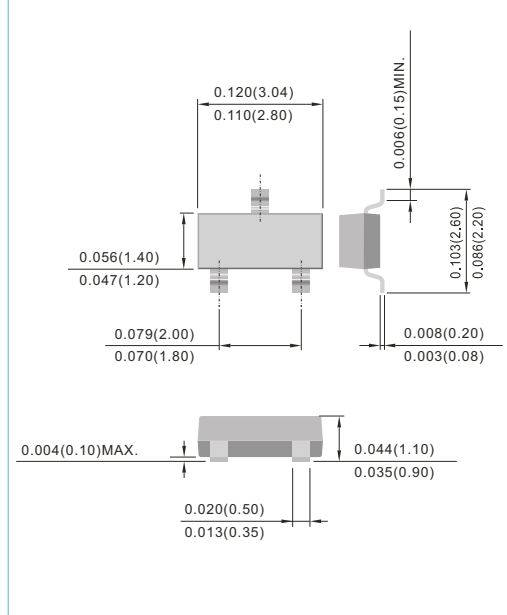
MECHANICAL DATA

- Case: SOT-23
- Terminals : Solderable per MIL-STD-750,Method 2026
- Approx. Weight: 0.0003 ounce, 0.0084 gram

UNIDIRECTIONAL



SOT-23 Unit : inch(mm)



DEVICE CHARACTERISTICS

Ratings at 25°C unless otherwise specified.

PARAMETER	Symbol	VALUE	Units
Peak Pulse Power ($t_p=8/20 \mu s$)	P_{PP}	500	Watts
Operating Temperature	T_J	-50 to +150	°C
Storage Temperature	T_{STG}	-50 to +150	°C
Forward Voltage@ 100mA,300μs-Square Wave	V_F	1.5	Volts

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	Max. A	μA	Max. pF	
PJSOT03	3	4	6.5	43	125	850	1A
PJSOT05	5	6	9.8	42	20	550	2A
PJSOT08	8	8.5	13.4	34	10	360	3A
PJSOT12	12	13.3	19	21	2	200	4A
PJSOT15	15	16.7	24	17	1	170	5A
PJSOT24	24	26.7	43	12	1	150	6A
PJSOT36	36	40	51	9	1	80	SA



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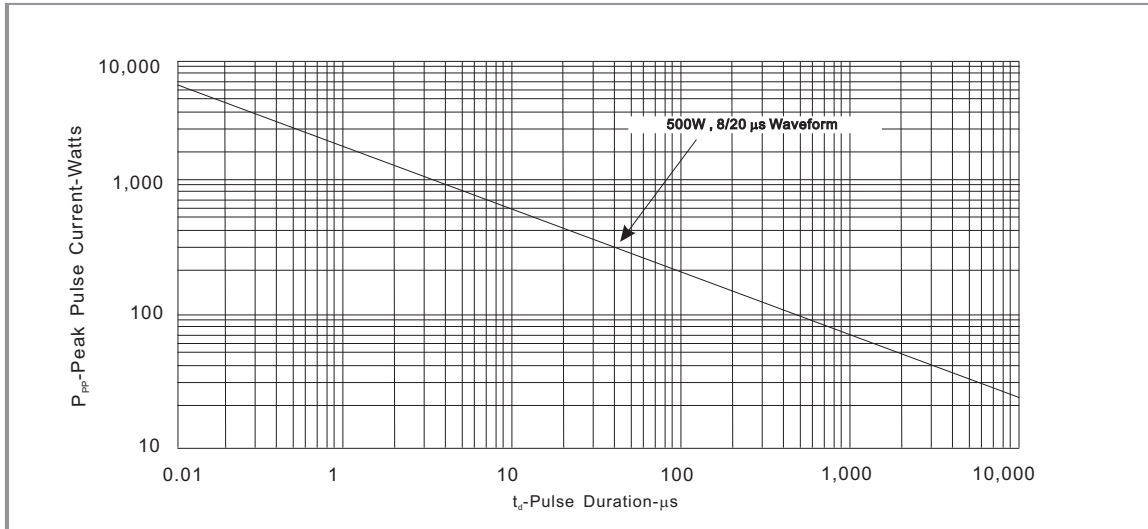


FIG.1- PEAK PULSE POWER VS PULSE TIME

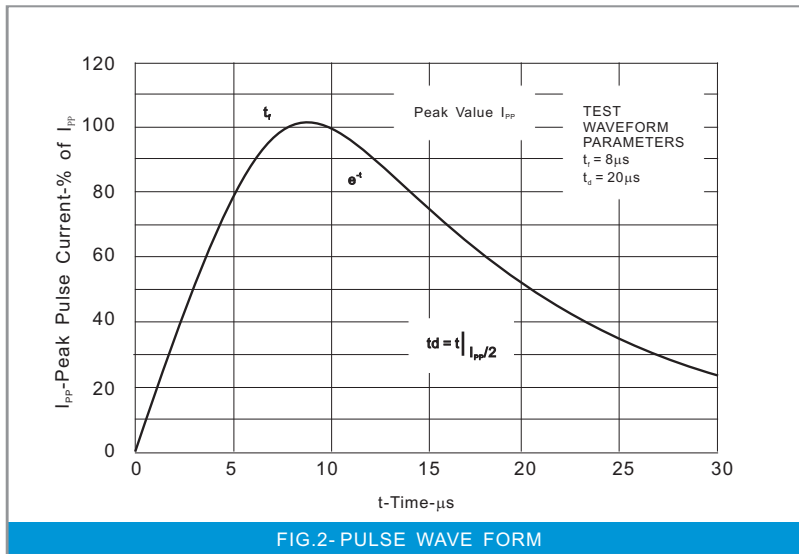


FIG.2- PULSE WAVE FORM

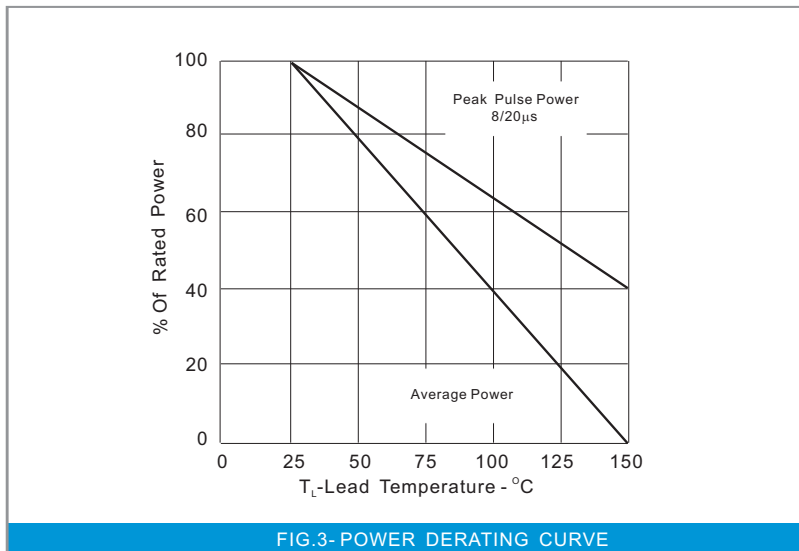
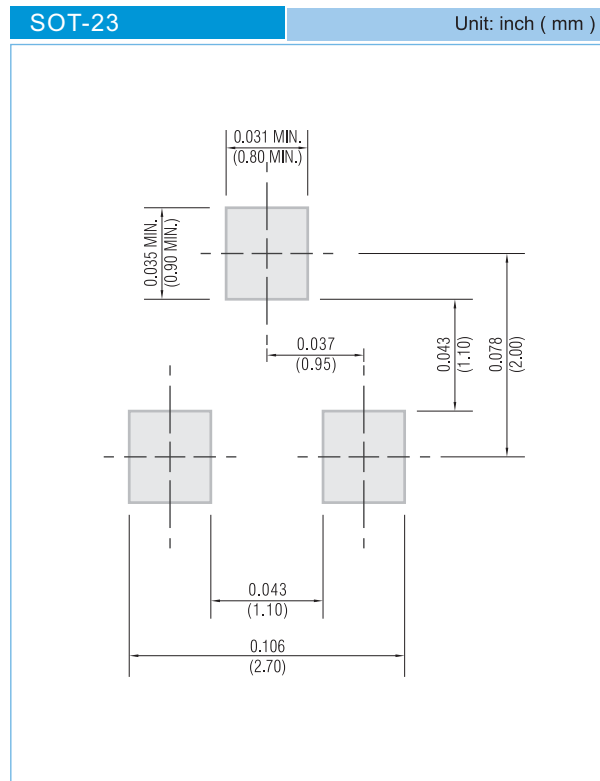


FIG.3- POWER DERATING CURVE



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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

LEGAL STATEMENT

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