



# PJSOT05C-03/PJSOT24C-03

## STANDARD CAPACITANCE TVS ARRAY

**VOLTAGE** 5 / 24 Volts    **POWER** 250 Watts

### FEATURES

- 250 Watts Peak Pulse Power per Line (  $t_p=8/20$  ms)
- Low Clamping Voltage
- Available in Multiple Voltage Types Ranging from 5V
- In compliance with EU RoHS 2002/95/EC directives
- IEC61000-4-2 ESD 15kV air, 8kV Contact compliance

### MECHANICAL DATA

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

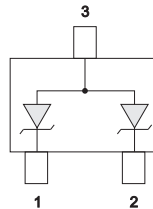
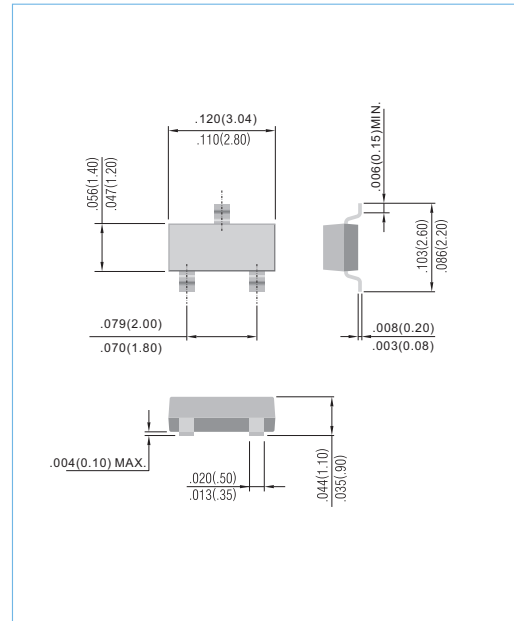


Fig.25

SOT-23    Unit: inch ( mm )



### DEVICE CHARACTERISTICS

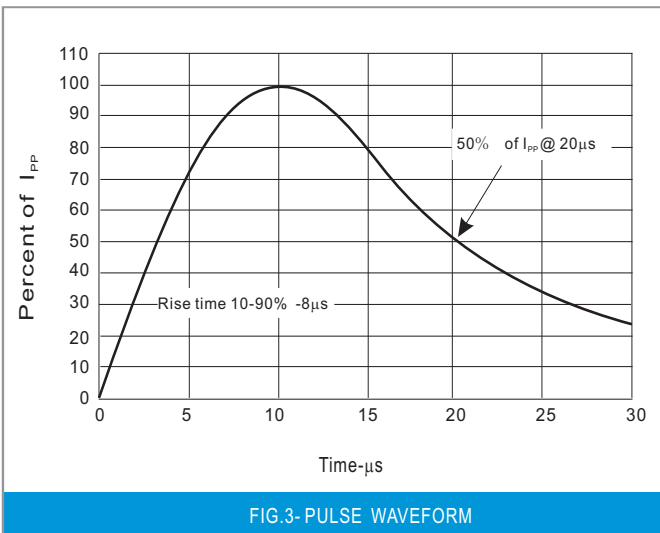
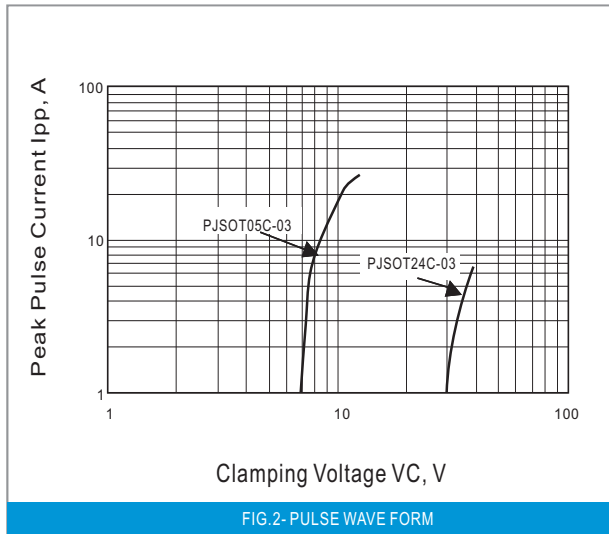
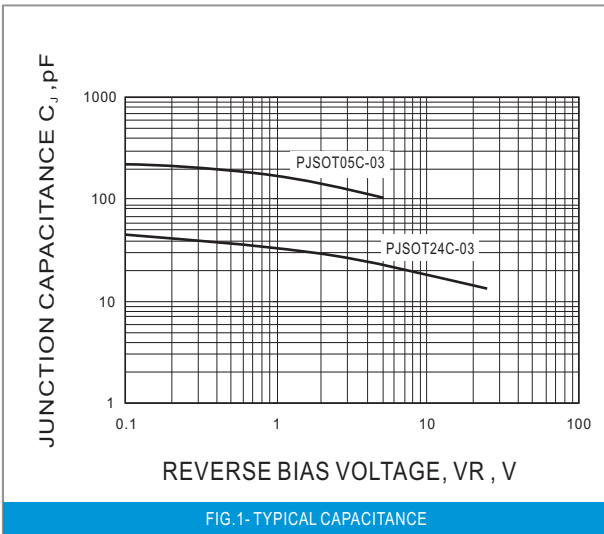
Ratings at 25°C unless otherwise specified.

PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power ( $t_p=8/20$ $\mu$ s)	P <sub>PP</sub>	250	Watts
Operating Temperature	T <sub>J</sub>	-50 to 150	°C
Storage Temperature	T <sub>STG</sub>	-50 to 150	°C
Forward Voltage@ 100mA,300 $\mu$ s-Square Wave	V <sub>F</sub>	1.5	Volts

Part Number	Reverse Stand-off Voltage	Minum Breakdown Voltage	Max Clamping Voltage @ 8/20 $\mu$ sec	Peak Pulse Current 8/20 $\mu$ sec	Maximum Leakage Current	Off-State Capacitance, 1MHz Zero dc Bias	Marking Code
	V <sub>RWM</sub> Max. V	@1mA V <sub>BR</sub> V	V <sub>CL</sub> @ I <sub>PP</sub> V	I <sub>PP</sub> Max. A	@V <sub>RWM</sub> I <sub>D</sub> $\mu$ A	C <sub>d</sub> Max. pF	
PJSOT05C-03	5	6	12.6	21	20	250	2DC
PJSOT24C-03	24	6	45.3	6	20	55	6DC



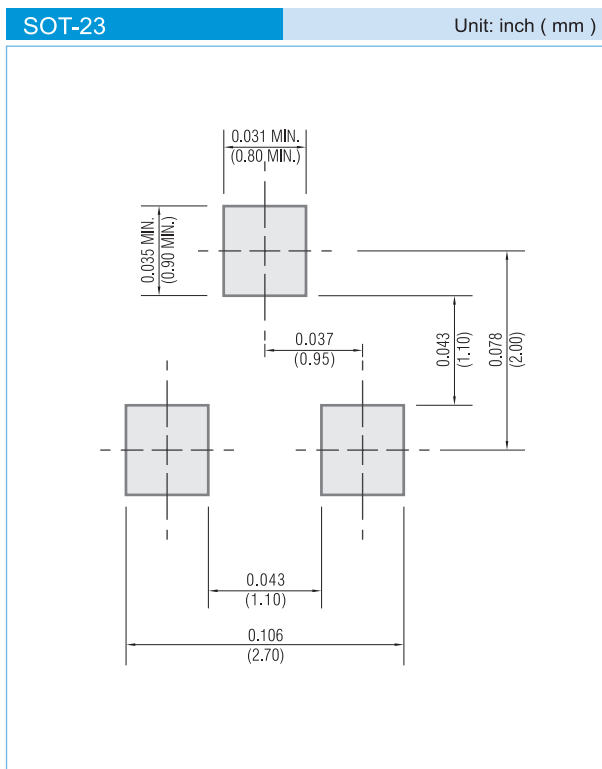
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## MOUNTING PAD LAYOUT



## ORDER INFORMATION

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

## LEGAL STATEMENT

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