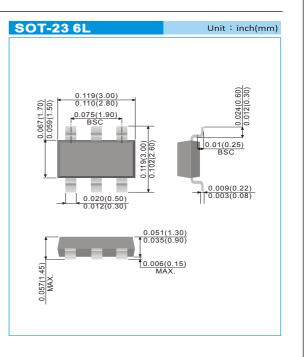


FEATURES

- · SOT-23 6L package allows five separate unidirectional configurations
- Low leakage < 1µA@5V
- Breakdown voltage : 6.37V-7.04V@1mA
- Low Capacitance (8.5pF typical)
- ESD Protection Meeting IEC1000-4-2
- · Lead free in compliance with EU RoHS 2.0
- · Green molding compound as per IEC 61249 standard



MECHANICAL DATA

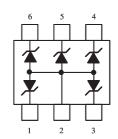
- · Case : SOT-23 6L, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- · Approx. Weight : 0.0005 ounces, 0.014 grams
- Marking : BTW

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Peak Power Dissipation @20µs@T₄≤25 °C (Note 1)	Ртот	150	W
Steady State Power-1 Diode (Note 2)	PD	385	mW
Thermal Resistance , Junction to Ambient Above 25°C, Derate	Rθja	212 4.7	°C/W mW/ºC
ESD Discharge MIL STD 883C-Method 3015-6 IEC1000-4-2, Air Discharge IEC1000-4-2, Contact Discharge	Vpp	16 15 8	kV
Lead Solder Temperature (10 s duration)	ΤL	260	°C
Operating Junction and Storage Temperature Range	TJ,TSTG	-55 to 150	°C

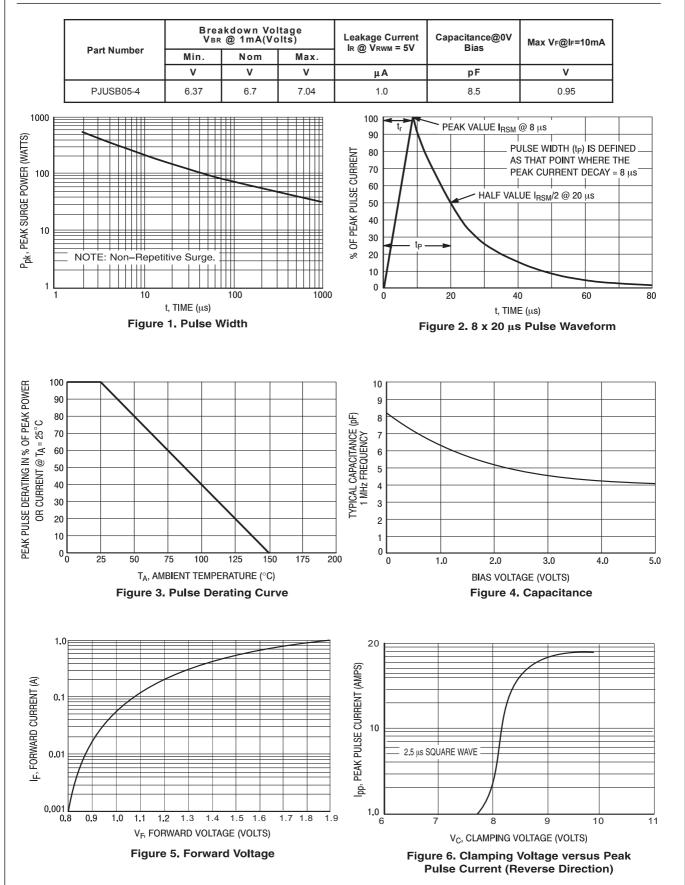
Maximum ratings are those values beyond which device damage can occur.Maximum ratings applied to the device are individual stress limit values (not normal operating conditions) and are not valid simultaneuosly.If these limits are exceeded,device functional operation is not implied,damage may occur and reliability may be affected. 1.Non-repetitive current per Figure 1.Derate per Figure 2.

2.Only 1 diode under power.For all 5 diodes under power,PD will be 20%.Mounted on FR-4 board with min pad.





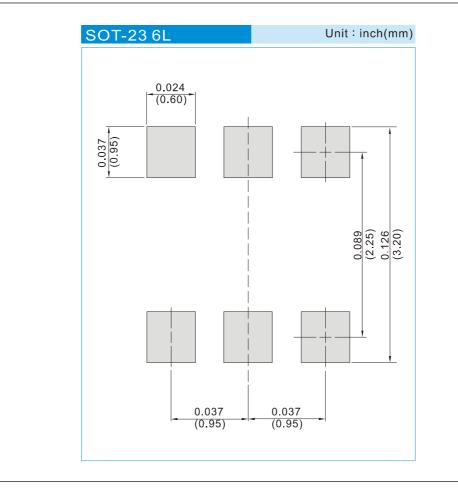
ELECTRICAL CHARACTERISTICS



- 60



MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 10K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





Part No_packing code_Version

PJUSB05-4_R1_00001 PJUSB05-4_R2_00001 PJUSB05-4_S1_00001 PJUSB05-4_S2_00001

For example :

RB500V-40_R2_00001



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)	В	13"	2			
Tube Packing (T/P)	т	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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