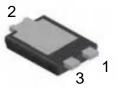


Features

- Low forward voltage drop.
- Excellent high temperature stability.
- Fast switching capability.
- · Lead-free parts meet environmental standards of MIL-STD-19500 /228



Product ID	Pack	Marking	Qty(PCS)
SB2045L	TO-277	SB2045L	5000



TO-277

	4	
PIN 2 U	-	OPIN 3

Maxmim Ratings (Ta=25 unless otherwise noted)

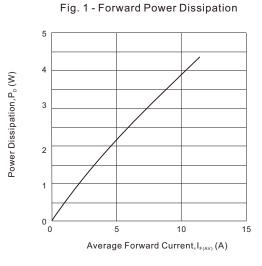
Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

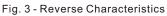
TYPE NUMBER	ST2045	UNITS
Maximum Recurrent Peak Reverse Voltage	45	V
Maximum RMS Voltage	32	V
Maximum DC Blocking Voltage	45	V
Maximum Average Forward Rectified Current		
See Fig. 1	20.0	А
Peak Forward Surge Current, 8.3 ms single half sine-wave		
superimposed on rated load (JEDEC method)	200	A
Maximum Instantaneous Forward Voltage at 10.0A	0.52	
Maximum DC Reverse Current Ta=25°C	0.3	mA
at Rated DC Blocking Voltage Ta=125°C	20	mA
Typical Junction Capacitance (Note1)		pF
Typical Thermal Resistance R JA (Note 2)	31	°C/W
Operating Temperature Range TJ	-65 to +150	°C
Storage Temperature Range Tsrg	-65 to +150	°C

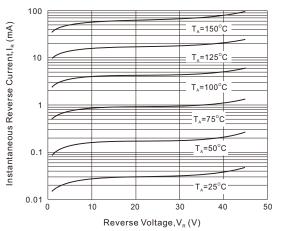
Note : 1.FR-4 PCB, 2oz.Copper. 2.Polymide PCB, 2oz.Copper.Cathode pad dimensions 18.8mm x 14.4mm.Anode pad dimensions 5.6mm x 14.4mm.

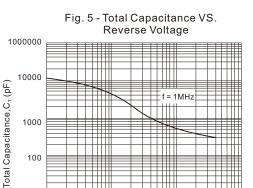


Typical Characteristics



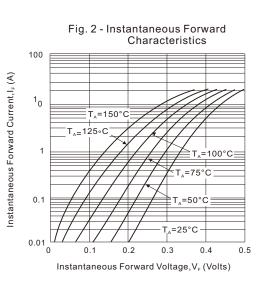




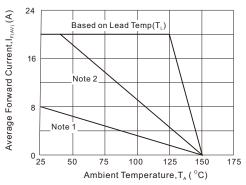


10

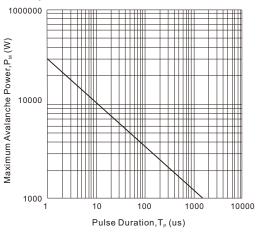
100











1

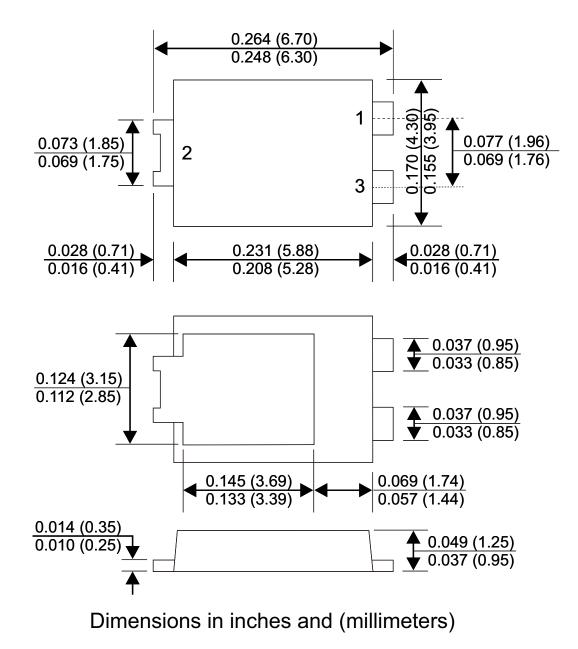
Reverse Voltage, V_R (V)

10

10.1



TO-277 Package Outline Dimensions



Shenzhen HuaXuanYang Electronics CO.,LTD



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