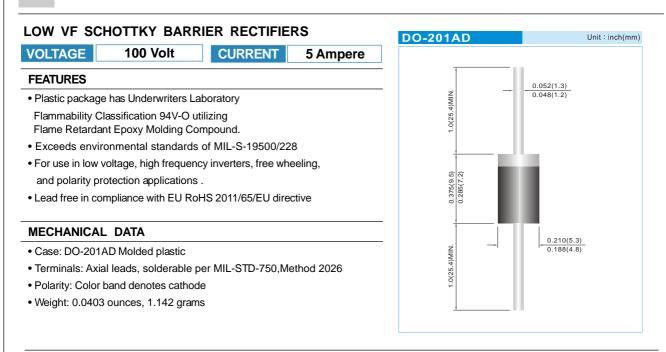


SB5100L



MAXIMUM RATINGS(TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage	Vrrm	100	V
Maximum rms voltage	Vrms	70	V
Maximum average forward rectified current	I F(AV)	5	А
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I fsm	250	А
Typical Thermal Resistance	Roja	45	°C/W
Operating junction temperature range	TJ	-55 to + 150	°C
Storage temperature range	Тѕтс	-55 to + 150	°C

ELECTRICAL CHARACTERISTICS(TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS		TYP.	MAX.	UNIT
Breakdown voltage	Vbr	I R=0.5mA	TJ=25°C	100	-	V
Instantaneous forward voltage	VF	I F=1A I F=3A I F=5A	TJ=25℃	0.44 0.58 0.68	- - 0.70	V
		I F=1A I F=3A I F=5A	TJ=125℃	0.35 0.49 0.56	- - 0.6	V
Reverse current	l r	VR=70V	TJ=25℃	10	-	μΑ
		Vr=100V	TJ=25°C TJ=100°C TJ=125°C	- - -	50 10 50	μA mA mA



5

I_F, Forward Current (A)

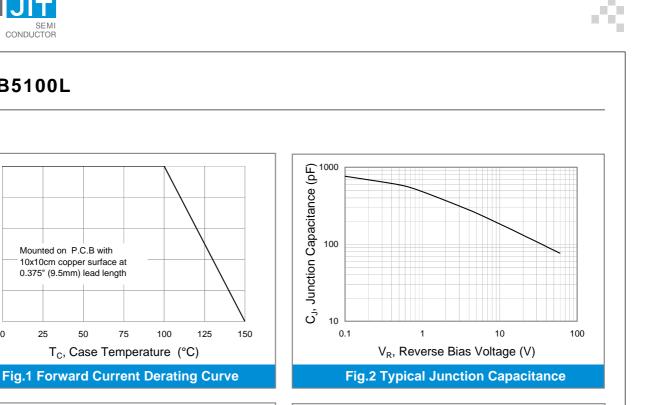
0

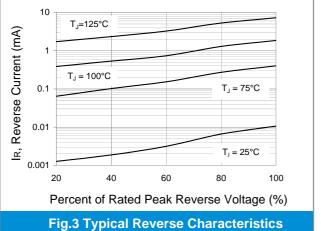
0

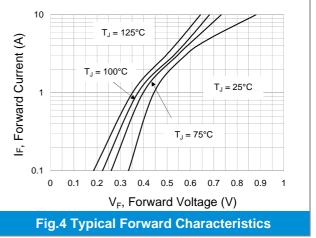
25

50

SB5100L











SB5100L

Part No_packing code_Version

SB5100L_AY_00001 SB5100L_AY_10001 SB5100L_B0_00001 SB5100L_B0_10001 SB5100L_R2_00001 SB5100L_R2_10001

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)	Α	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			





SB5100L

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.