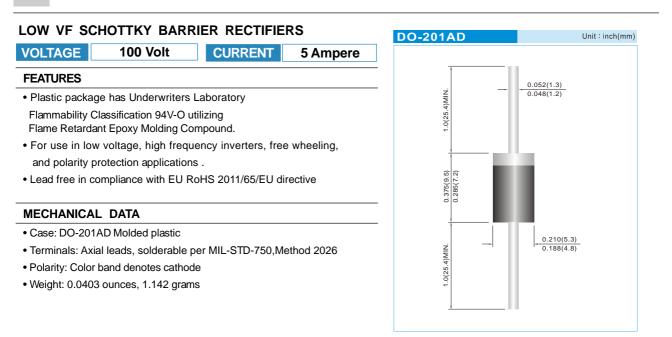


SB5100L



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

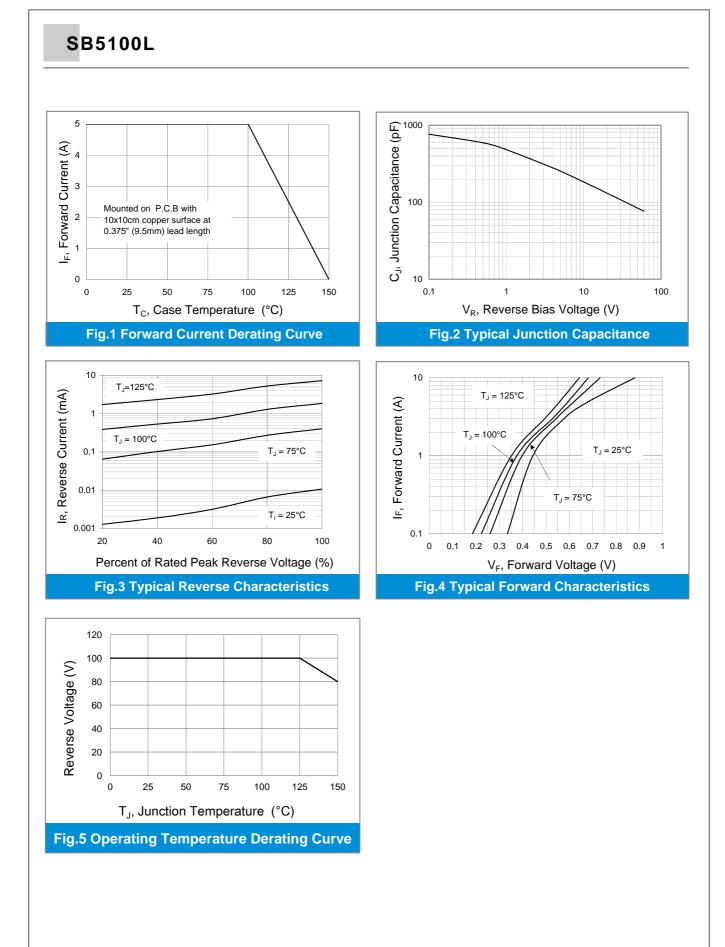
PARAMETER	SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage	Vrrm	100	V
Maximum rms voltage	Vrms	70	V
Maximum average forward rectified current	I F(AV)	5	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I FSM	250	A
Typical Thermal Resistance	Roja	45	°C/W
Operating 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°C	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	-	μA
		Vr=100V	TJ=25°C TJ=100°C TJ=125°C		50 10 50	μA mA mA











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

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