



SCHOTTKY BARRIER RECTIFIERS

Voltage

100 V

Current

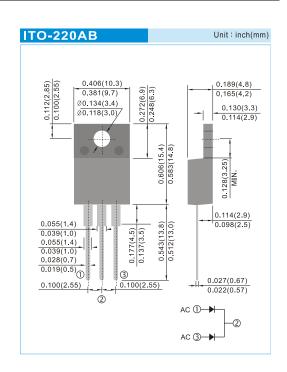
20 A

Features

- Plastic package has Underwriters Laboratory
 Flammability Classification 94V-O.
 Flame Retardant Epoxy Molding Compound.
- High surge capacity.
- For use in low voltage, high frequency inverters free wheeling, and polarlity protection applications
- Lead free in compliance with EU RoHS 2011/65/EU directive.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

Mechanical Data

- Case: Molded plastic, ITO-220AB
- Terminals: Axial leads, solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.056 ounces, 1.6 grams
- Marking: Part number



Maximum Ratings (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNIT	
Maximum repetitive peak reverse voltage		Vrrm	100	V
Maximum rms voltage		VRMS	70	V
Maximum dc blocking voltage	VR	100	V	
Maximum average forward rectified current	per device		20	
	per diode	I F(AV)	10	A
Peak forward surge current: 8.3ms single hawave superimposed on rated load per diode	lfsм	120	А	
Maximum forward voltage at 10A per diode	VF	0.8	V	
Maximum dc reverse current at rated dc blo	I R	60	μА	
Typical thermal resistance per diode	(Note 1)	$R_{\theta JC}$	7	°C/W
Operating junction temperature range	TJ	-55 to +150	°C	
Storage temperature range	Тѕтс	-55 to +150	°C	

Note: 1. Device mounted on a infinite heatsink.





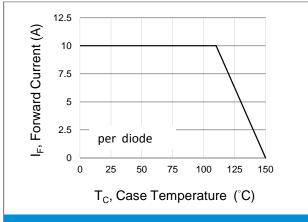


Fig.1 Forward Current Derating Curve

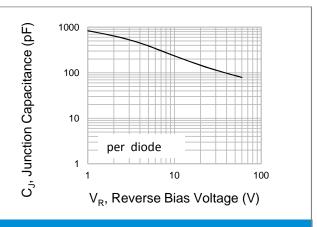


Fig.2 Typical Junction Capacitance

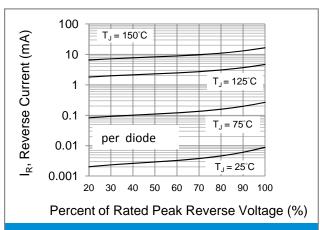


Fig.3 Typical Reverse Characteristics

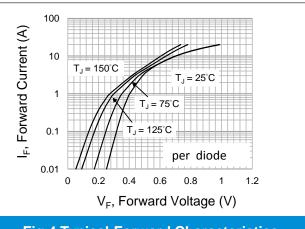


Fig.4 Typical Forward Characteristics

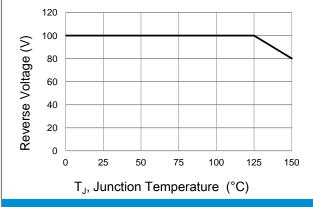


Fig.5 Operating Temperature Derating Curve

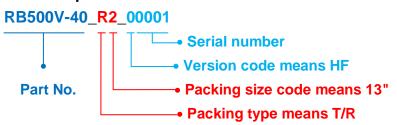




Part No_packing code_Version

SBT20100FCT_T0_00001

For example:



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)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	ø	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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