



LOW VF SCHOTTKY RECTIFIER

VOLTAGE 150 Volts CURRENT 20 Amperes

FEATURES

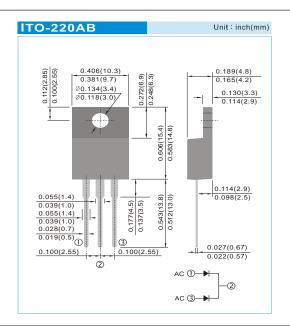
- Low forward voltage drop, low power losses
- High efficiency operation
- Lead free in comply with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: ITO-220AB, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

Weight: 0.055 ounces, 1.5615 grams.



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

PARAMETER		SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage		VRRM	150	V
Maximum rms voltage		VRMS	105	٧
Maximum dc blocking voltage		VR	150	٧
Maximum average forward rectified current	per device per diode	I F(AV)	20 10	А
Peak forward surge current : 8.3ms single half sine-wave superimposed on rated load	per diode	IFSM	200	Α
Typical thermal resistance	(Note 1)	R⊕JC	15	°C/W
Operating junction temperature range		TJ	-55 to + 150	°C
Storage temperature range		Тѕтс	-55 to + 150	°C

Note: 1. Mounted on infinite heatsink.

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

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage per diode	VBR	I R=1mA		150	-	-	٧
Instantaneous forward voltage per diode	VF	IF=3A IF=5A IF=10A IF=3A IF=5A IF=10A	TJ=25°C		0.61 0.68 0.76 0.50 0.56 0.64	- 0.81 - -	V
Reverse current per diode	l R	VR=120V		-	7	-	μА
		Vr=150V	TJ=25°C TJ=125°C	-	- 16	100 -	μA mA





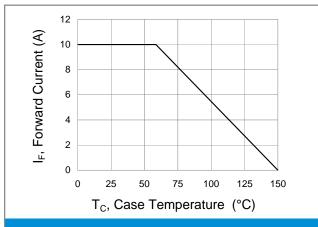


Fig.1 Forward Current Derating Curve

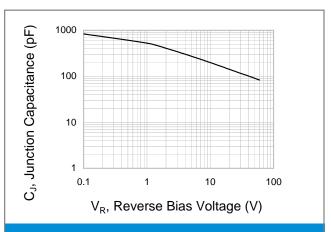


Fig.2 Typical Junction Capacitance

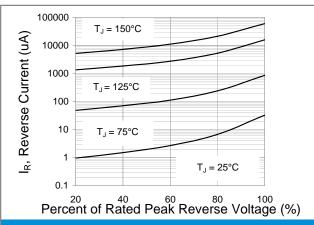


Fig.3 Typical Reverse Characteristics

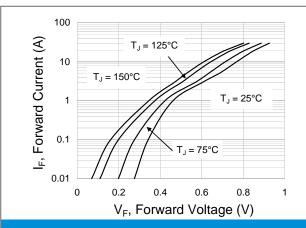


Fig.4 Typical Forward Characteristics





Part No_packing code_Version

CBD20150VFCT_T0_00001 CBD20150VFCT_00001 CBD20150VFCT_T0_10001 CBD20150VFCT_10001

For example : RB500V-40_R2_00001 Part No. 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	1st 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	Х				
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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