

## CBD20200VFCT

200 Volts

#### ULTRA LOW VF SCHOTTKY RECTIFIER

CURRENT

VOLTAGE

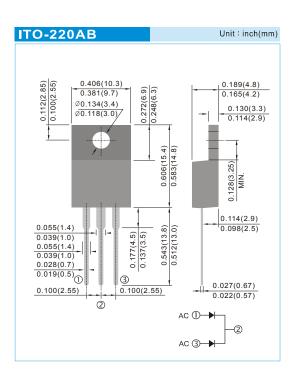
### 20 Amperes

#### FEATURES

- · Ultra low forward voltage drop, low power losses
- High efficiency operation
- · Lead free in comply with EU RoHS 2011/65/EU directives

#### **MECHANICAL DATA**

Case : ITO-220AB, Plastic Terminals : Solderable per MIL-STD-750, Method 2026 Weight : 0.056 ounces, 1.6 grams.



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

PARAMETER		SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage		VRRM	200	V
Maximum rms voltage		VRMS	140	V
Maximum dc blocking voltage		VR	200	V
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	I FSM	200	А
Typical thermal resistance per diode	(Note 1)	Røjc	15	°C/W
Operating junction temperature range		TJ	-55 to + 150	°C
Storage temperature range		Тѕтс	-55 to + 150	°C

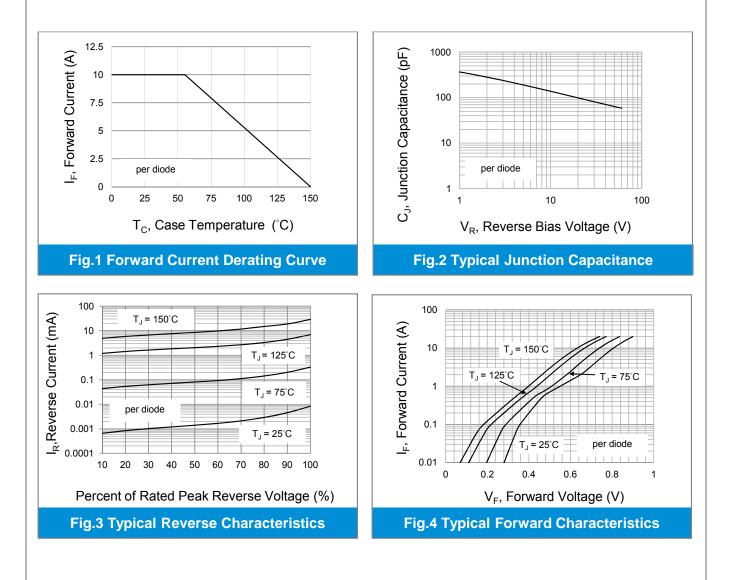
Note : 1. Mounted on infinite heatsink.



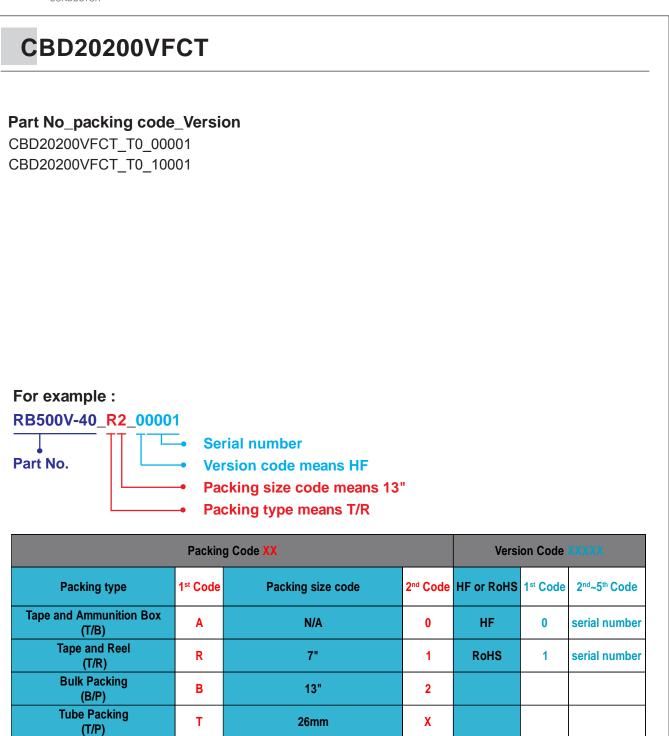
# CBD20200VFCT

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

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage per diode	Vbr	I R=0.5mA		200	-	-	V
Instantaneous forward voltage per diode	Vf	I F=3A I F=5A I F=10A	TJ=25°C	- - -	0.69 0.74 0.81	- - 0.86	V
		I F=3A I F=5A I F=10A	TJ=125⁰C	- -	0.54 0.59 0.67	-	V
Reverse current per diode		VR=140V	TJ=25°C	-	2.5	-	μΑ
	l r	VR=200V	TJ=125℃	-	- 7	50 -	μA mA







52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

Υ

U

D

Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

S

L

F





### 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.