

SBT10150LCT

ULTRA LOW VF SCHOTTKY RECTIFIER

VOLTAGE

CURRENT 10 Ampere

FEATURES

• Ultra low forward voltage drop, low power loss

150 Volt

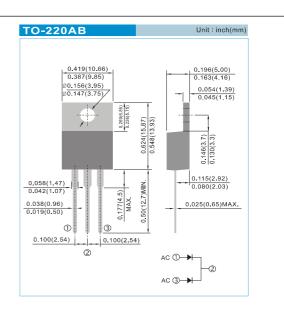
- High efficiency operation
- Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

Case : TO-220AB, Plastic

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

Weight: 0.067 ounces, 1.89 grams.



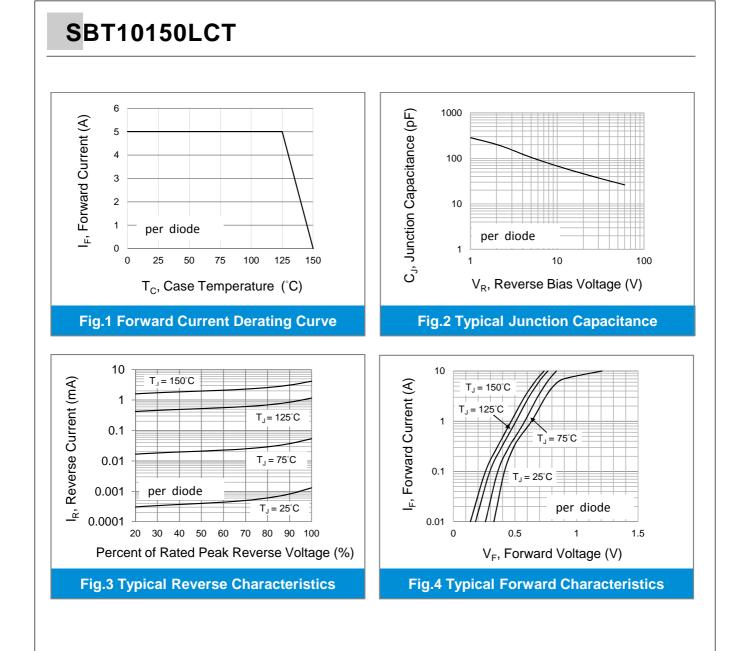
MAXIMUM RATINGS(TA=25°C unless otherwise noted)

PARAMETER		SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage		Vrrm	150	V
Maximum rms voltage		Vrms	105	V
Maximum dc blocking voltage		VR	150	V
Maximum average forward rectified current	per device per diode	I F(AV)	10 5	А
Peak forward surge current : 8.3ms single half sine-wave superimposed on rated load		I FSM	80	А
Typical thermal resistance	(Note 1)	Rejc	2	°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.

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

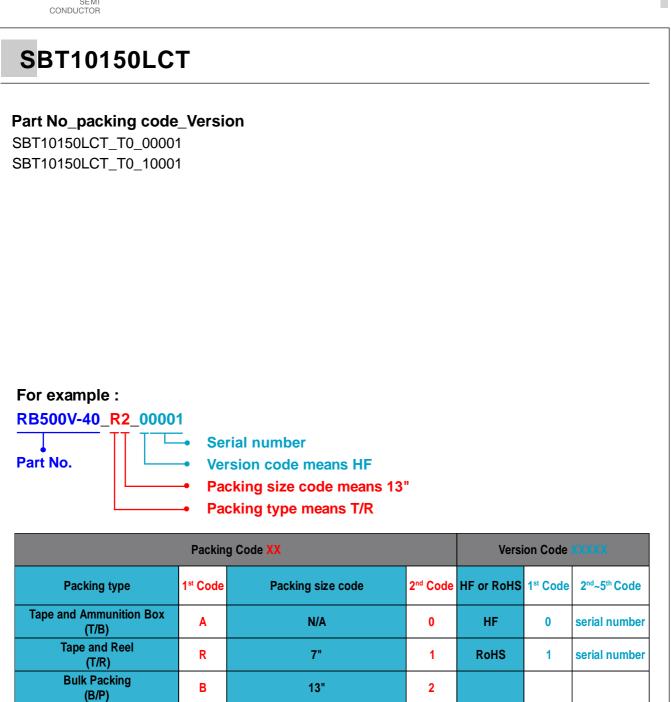
PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage per diode	Vbr	I R=0.5mA	TJ=25℃	150	-	-	V
Instantaneous forward voltage per diode	VF	I f=1A I f=3A I f=5A	TJ=25°C	- - -	0.64 0.75 0.81	0.86	v
		I	TJ=125°C	-	0.51 0.61	-	V
Reverse current per diode		VR=120V	TJ=25℃	-	1	-	μΑ
	İr	Vr=150V	TJ=25°C TJ=125°C	-	- 1.5	40	μA mA











26mm

52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

Χ

Υ

U

D

Tube Packing

(T/P) Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

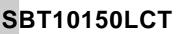
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