

SBM3060UCT

EXTREME LOW VF SCHOTTKY RECTIFIER

VOLTAGE

30 Ampere

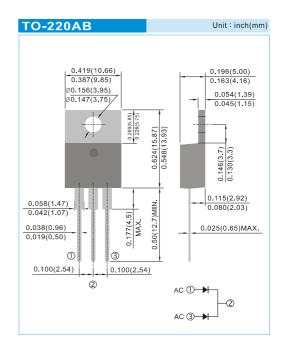
60 Volt CURRENT

FEATURES

- Extreme low forward voltage drop, low power loss
- High efficiency operation
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case : TO-220AB, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Weight: 0.067 ounces, 1.89 grams.



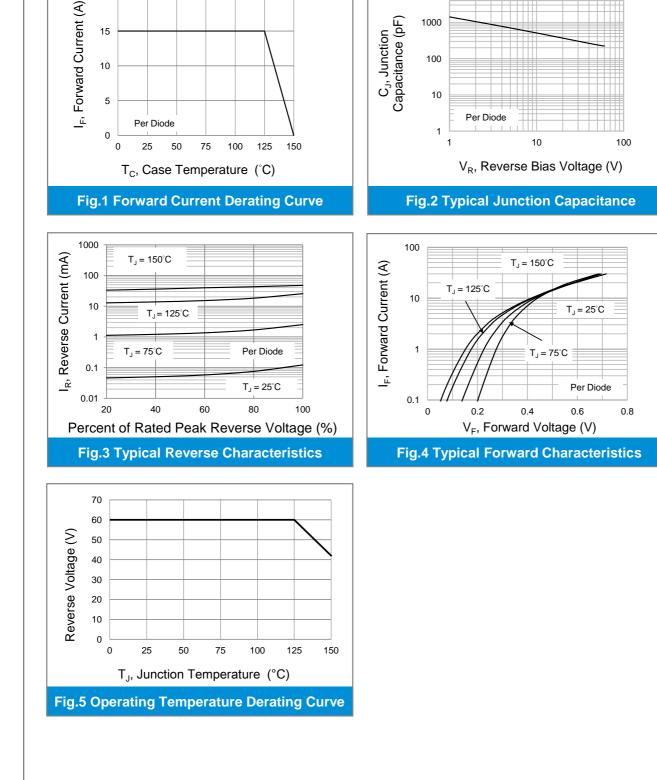
MAXIMUM RATINGS(TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT	
Maximum repetitive peak reverse voltage		Vrrm	60	V
aximum average forward rectified current per diode per device		I F(AV)	15 30	А
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	per diode	I FSM	250	A
Typical thermal resistance per diode	(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. 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		60	-	-	V
Instantaneous forward voltage per diode	VF	I F=3A I F=7.5A	TJ=25°C	-	0.33 0.41	-	v
		IF=15A	-	0.51	0.56	v	
		I F=3A		-	0.25	-	
		I F=7.5A I F=15A	TJ=125°C	-	0.37 0.51	-	V
Reverse current per diode	l r	Vr=48V		-	100	-	μΑ
		Vr=60V	TJ=25°C TJ=125°C	-	0.15 26	0.5 -	mA mA



1000

100

PAN SEM

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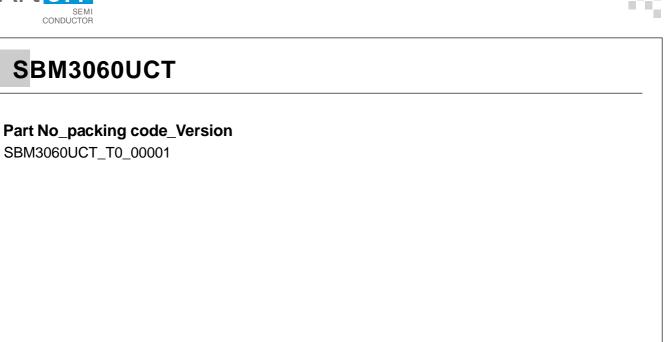
20

15

10







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				



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