

## SBM2060VFCT

60 Volts

## ULTRA LOW VF SCHOTTKY RECTIFIER

VOLTAGE

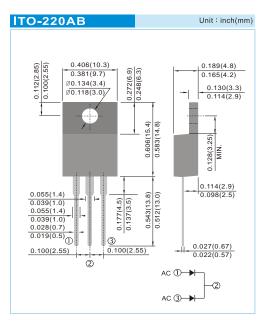
## CURRENT 20 Amperes

#### 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	60	V
Maximum rms voltage		Vrms	42	V
Maximum dc blocking voltage		Vr	60	V
Maximum average forward rectified current	per device per diode	l f(AV)	20 10	А
Peak forward surge current : 8.3ms single half sine-wave superimposed on rated load	per diode	IFSM	150	A
Typical junction capacitance (VR=4V, f=1MHz)		CJ	480	рF
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

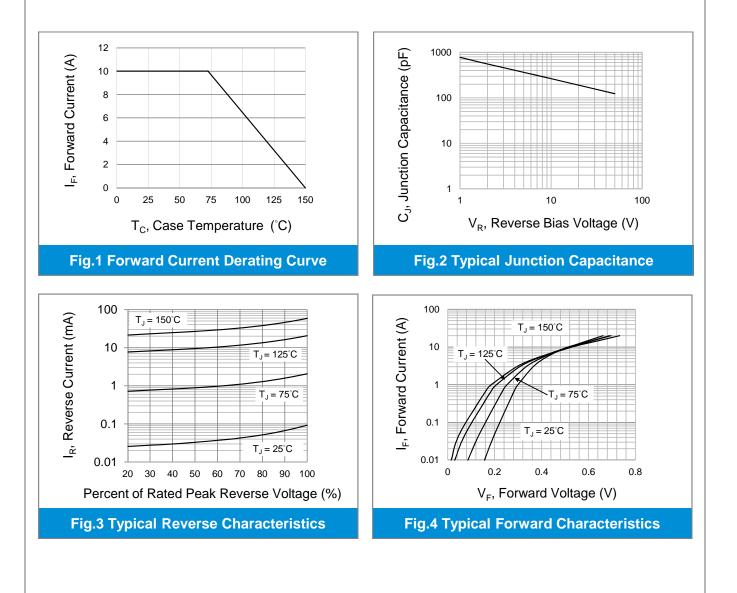
Note : 1. Mounted on infinite heatsink.



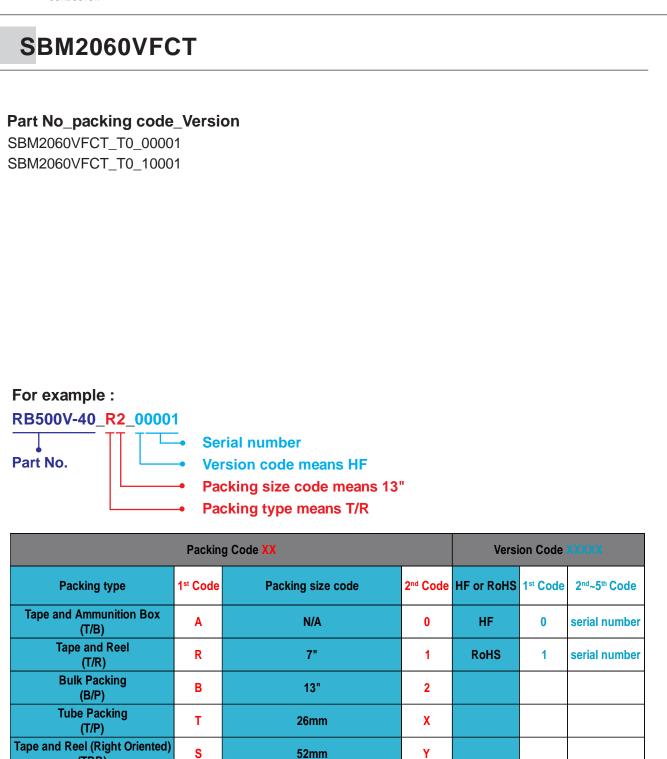
# SBM2060VFCT

## 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		60	-	-	V
Instantaneous forward voltage per diode	VF	I F=3A		-	0.37	-	
		I F=5A I F=10A	TJ=25°C	-	0.41 0.51	- 0.57	V
		I	TJ=125℃	-	0.31 0.38	-	v
		IF=5A IF=10A		-	0.58	-	v
Reverse current per diode		Vr=42V		-	45	-	μA
	İr	Vr=60V	TJ=25°C	-	95	220	μA
			TJ=125℃	-	20	-	mA







PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

U

D

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

L

F





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