



UITRA LOW VF SCHOTTKY RECTIFIER

VOLTAGE

CURRENT 30 Ampere

FEATURES

• Ultra low forward voltage drop, low power loss

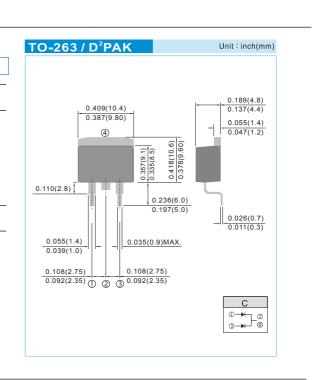
60 Volt

- · High efficiency operation
- · Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

MECHANICAL DATA

Case : TO-263/D²PAK, Plastic

Terminals : Solderable per MIL-STD-750, Method 2026 Weight: 0.049 ounces, 1.38 grams



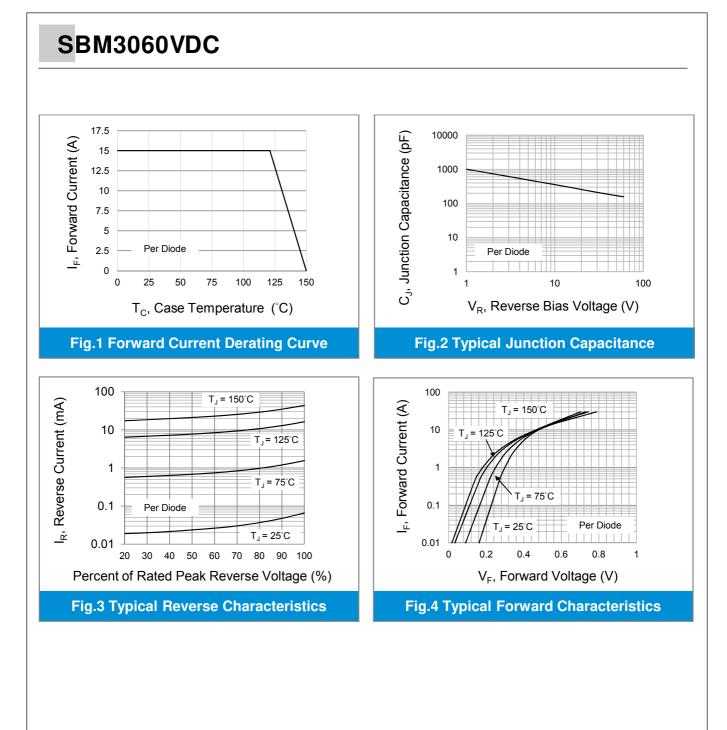
MAXIMUM RATINGS(TA=25°C unless otherwise noted)

PARAMETER		SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage		Vrrm	60	V
Maximum average forward rectified current	num average forward rectified current per diode per device		15 30	А
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	per diode	Ігѕм	250	А
Typical junction capacitance (VR=4V, f=1MHz)		CJ	650	pF
Typical thermal resistance per diode	(Note 1)	Røjc	3.5	°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 CC	NDITIONS	MIN.	TYP.	MAX.	UNIT
Breakdown voltage per diode	Vbr	I R=0.5mA		60	-	-	V
Instantaneous forward voltage per diode	VF	IF=3A IF=5A IF=15A	TJ=25°C	- - -	0.36 0.40 0.55	- - 0.59	v
		I F=3A I F=5A	TJ=125℃	-	0.29 0.35	-	V
Reverse current per diode	l r	VR=42V		-	30	-	μA
		Vr=60V	TJ=25°C TJ=125°C	-	- 16	220 -	μA mA



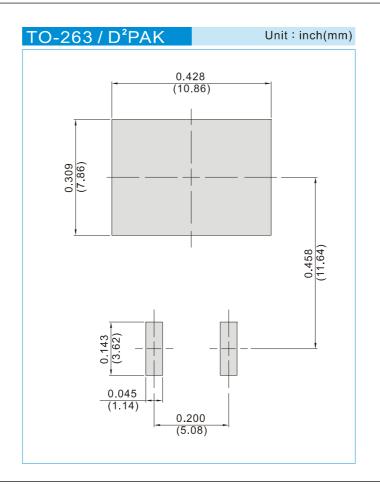






SBM3060VDC

MOUNTING PAD LAYOUT

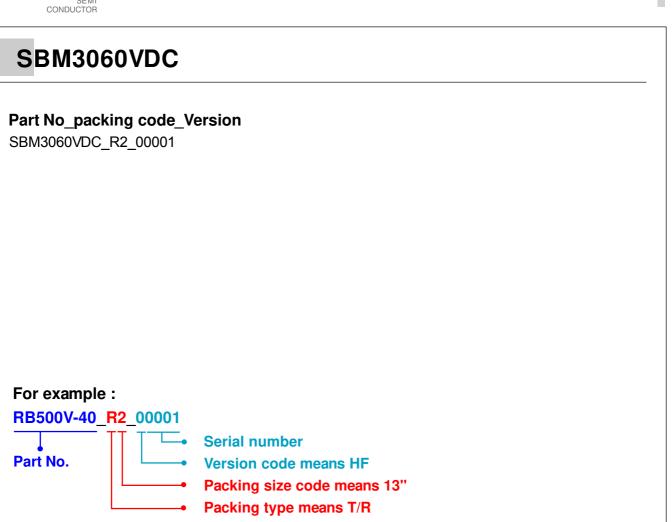


ORDER INFORMATION

Packing information

T/R - 0.8K per 13" plastic Reel





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				



SBM3060VDC

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