

LOW VF SCHOTTKY RECTIFIER 60 Volt

VOLTAGE

FEATURES

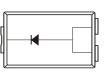
- · Ideal for automated placement
- Low forward voltage drop, low power losses
- · High efficiency operation
- · Low thermal resistance
- · Ultra thin profile package for space constrained utilization
- Package suitable for automated handling
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

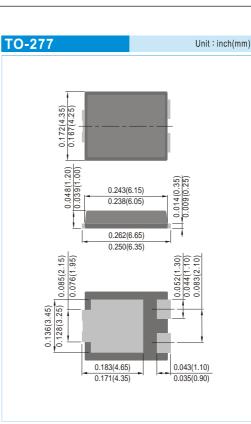
CURRENT

10 Ampere

MECHANICAL DATA

- Case : TO-277, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Weight : 0.0037 ounces, 0.1073 grams
- Marking : SVM1060U





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

PARAMETER			VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage		Vrrm	60	V
Maximum RMS Voltage			42	V
Maximum DC Blocking Voltage		Vr	60	V
Naximum Average Rectified Output Current		I F(AV)	10	A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		IFSM	250	А
Typical Thermal Resistance	(Note 1) (Note 2)	Rejc Reja	11 110	°C/W
Operating Junction Temperature Range And Storage Temperature Range		TJ,TSTG	-55 to + 150	°C

NOTES :

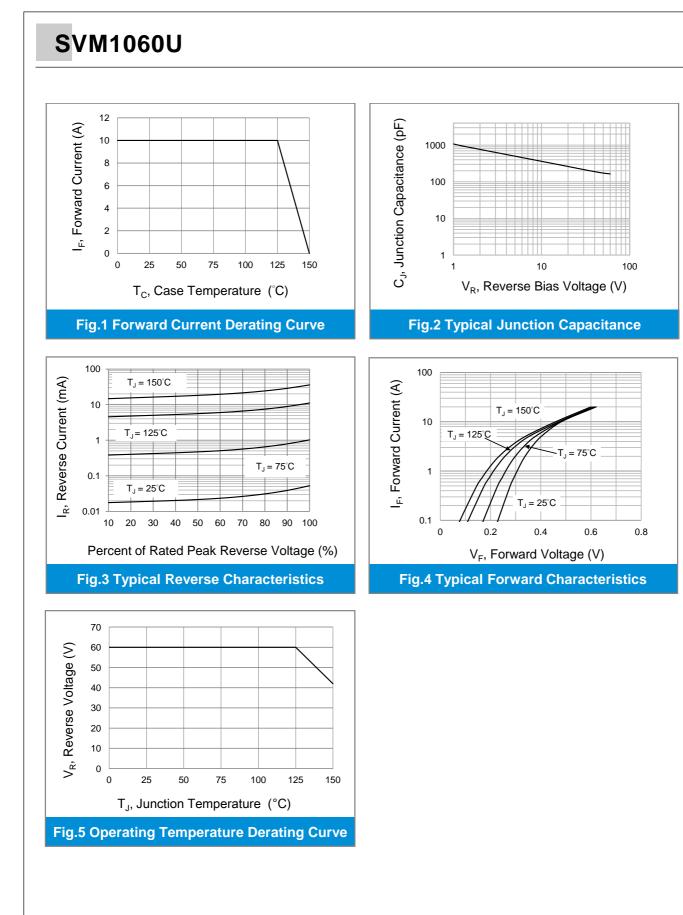
- 1. Mounted on an FR4 PCB, single-sided copper, with 100cm² copper pad area
- 2.Mounted on an FR4 PCB, single-sided copper, mini pad.



SVM1060U

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

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage	Vbr	I R=0.5mA	TA=25°C	60	-	-	V
Instantaneous forward voltage	VF	F=3A F=5A F=10A	Ta=25°C	- - -	0.36 0.4 0.48	- - 0.52	V
		I	Ta=125°C	- -	0.29 0.35 0.47	-	V
Reverse current	l r	VR=42V	TA=25°C	-	30	-	μΑ
		VR=60V	TA=25°C TA=125°C	-	- 15	220 -	μA mA



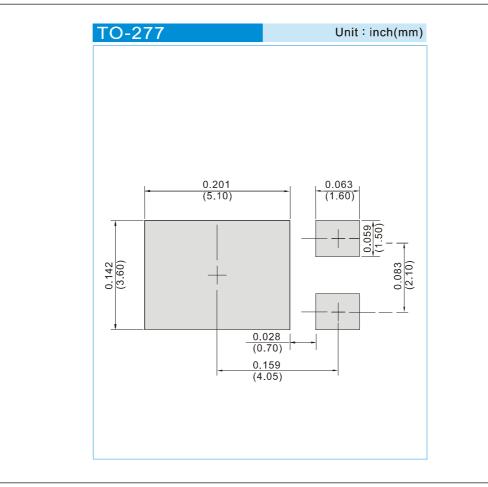






SVM1060U



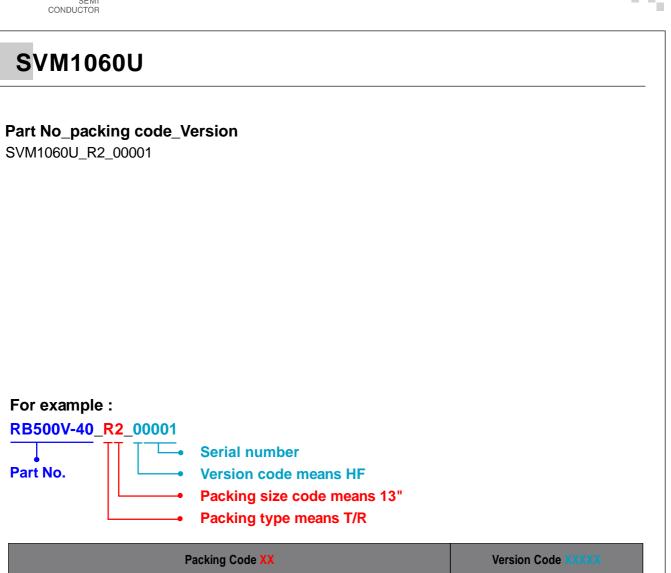


ORDER INFORMATION

Packing information

T/R - 5K 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)	A	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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