SVT15100LB	
ULTRA LOW VF SCHOTTKY BARRIER RECT	IFIER
Voltage100 VCurrent15 A	TO-27
Features	
 Ideal for automated placement Ultra low forward voltage drop, low power loss High efficiency operation Low thermal resistance Ultra thin profile package for space constrained utilization Easy pick and place 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)

Terminals: solder plated, solderable per MIL-STD-750, Method 2026

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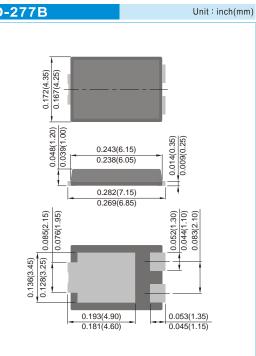
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Mechanical Data

Marking: Part number

Case: TO-277B package

Weight: 0.0038 ounces, 0.1088 grams.



Maximum Ratings And Electrical Characteristics (T_A=25°C unless otherwise noted)

				1	
PARAMETER	SYMBOL	LIMIT	UNIT		
Maximum repetitive peak reverse voltage		Vrrm	100	V	
Maximum rms voltage	Vrms	70	V		
Maximum dc blocking voltage		VR	100	V	
Maximum average forward rectified current	IF(AV)	15	Α		
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		IFSM	200	А	
	(Note 1)	$R_{ extsf{ heta}JA}$	110	°C/W	
Typical thermal resistance	(Note 2)	$R_{ extsf{ heta}JC}$	3.5		
Operating junction temperature range	TJ	-55 to +150	°C		
Storage temperature range		Тѕтс	-55 to +150	°C	

Note : 1. Mounted on a FR4 PCB, single-sided copper, mini pad.

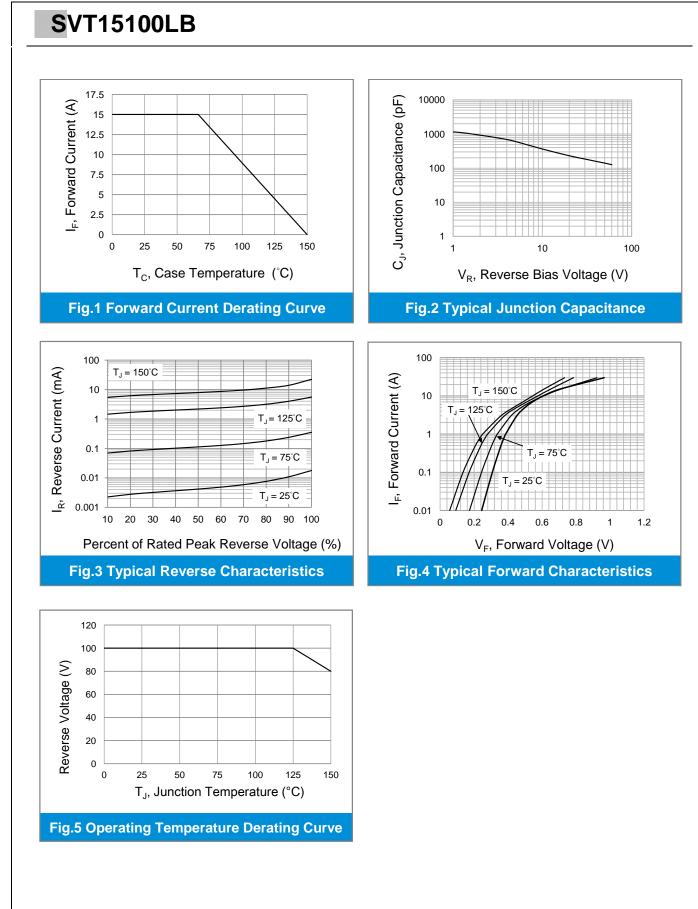
2. Mounted on a 10cm*10cm*0.5mm copper pad area





Electrical Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	V_{BR}	I _R =0.5mA	TJ=25°C	100	-	-	V
Instantaneous forward voltage	V _F	I _F =1A	TJ=25°C	-	0.39	-	V
		I _F =5A		-	0.5	-	
		I _F =15A		-	0.71	0.76	
		I _F =1A	TJ=125°C	-	0.28	-	V
		I _F =5A		-	0.45	-	
Reverse current	I _R	V _R =80V	TJ=25°C	-	10	-	μA
		V _R =100V	TJ=25°C	-	-	60	μA
			TJ=125°C	-	6	-	mA





SVT15100LB

Packing information

T/R – 5K per 13" plastic Reel





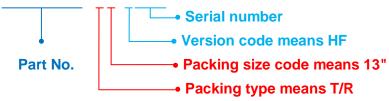
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Part No_packing code_Version

SVT15100LB_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size 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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