SVT10150V ULTRA LOW VF SCHOTTKY BARRIER RECT	TIFIER
Voltage150 VCurrent10 A	TO-277 Unit : inch(mm)
 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) 	(92) + (10) +
 Case: TO-277 package Terminals: solder plated, solderable per MIL-STD-750, Method 2026 Weight: 0.00379 ounces, 0.1073 grams. Marking: Part number 	(01 (01 (01 (01 (01 (01 (01 (01 (01 (01

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

PARAMETER	SYMBOL	LIMIT	UNIT		
Maximum repetitive peak reverse voltage		Vrrm	150	V	
Maximum rms voltage	Vrms	105	V		
Maximum dc blocking voltage	Vr	150	V		
Maximum average forward rectified current		IF(AV)	10	Α	
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		Ігѕм	150	А	
Typical thermal resistance	(Note 1)	$R_{ extsf{ heta}JA}$	110	°C/W	
	(Note 2)	$R_{ extsf{ heta}JC}$	3		
Operating junction temperature range		TJ	-55 to +150	°C	
Storage temperature range	Tstg	-55 to +150	°C		

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

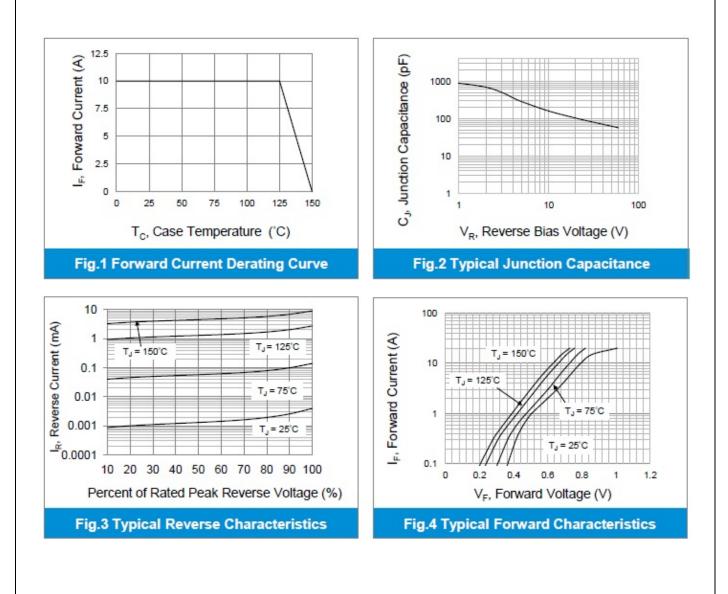
2. Mounted on a 10cm*10cm*1mm copper pad area



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

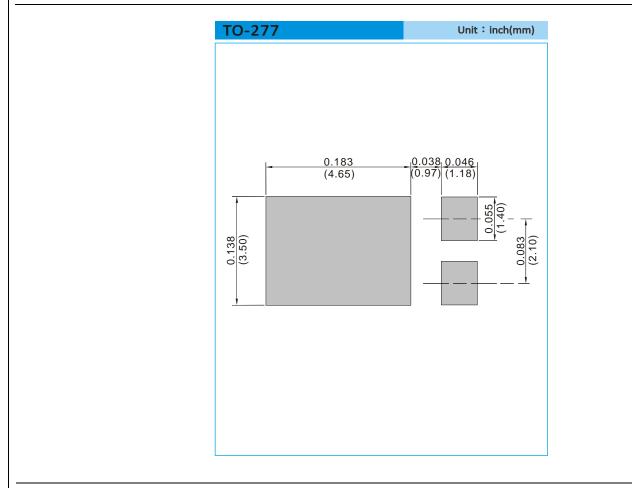
PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	V_{BR}	I _R =0.5mA	TJ=25°C	150	-	-	V
Instantaneous forward voltage	V _F	I _F =1A		-	0.51	-	
		I _F =5A	TJ=25°C	-	0.71	-	V
		I _F =10A		-	0.79	0.84	
		I _F =1A	TJ=125°C	-	0.42	-	V
		I _F =5A		-	0.58	-	
Reverse current		V _R =120V	TJ=25°C	-	2	-	μA
	l _R	V _R =150V	TJ=25°C	-	-	20	μA
			TJ=125°C	-	3	-	mA





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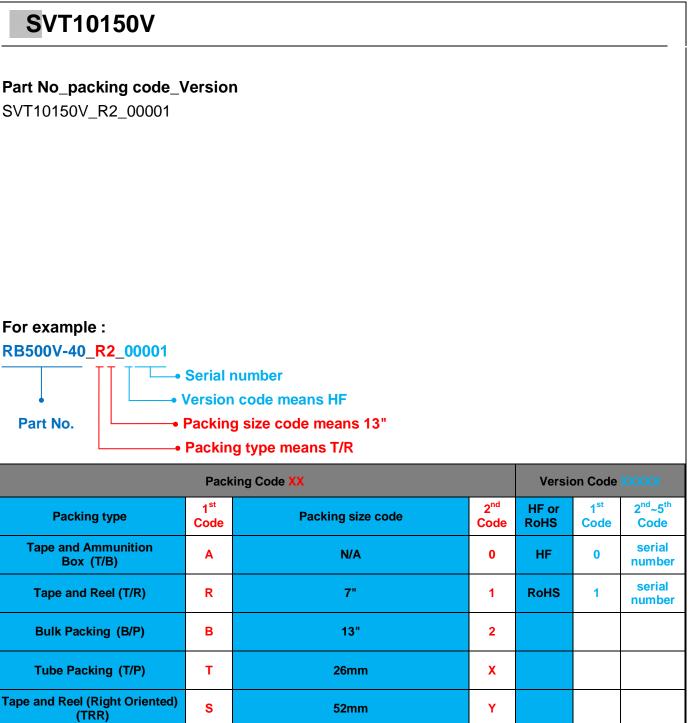
MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R 5K per 13" plastic Reel





PANASERT T/B

CATHODE UP (PBCU)

PANASERT T/B

CATHODE DOWN (PBCD)

U

D

Tape and Reel (Left Oriented)

(TRL)

FORMING

L

F





SVT10150V

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