



#### SURFACE MOUNT SWITCHING DIODES

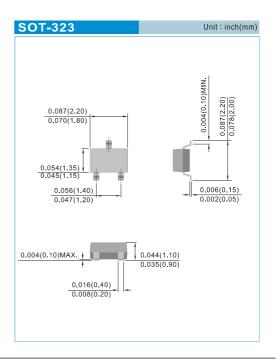
VOLTAGE 100Volt POWER 200mWatt

#### **FEATURES**

- · Fast switching speed.
- Surface mount package Ideally Suited for Automatic insertion
- · Electrically Identical to Standard JEDEC
- · High Conductance
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

#### **MECHANICAL DATA**

- · Case: SOT-323, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0002 ounces, 0.005 grams

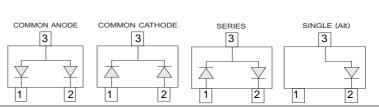


### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	BAW56W	BAV70W	BAV99W	BAL99W	UNITS
Marking Code		JC	JA	JB	JF	
Reverse Voltage	Vr		V			
Peak Reverse Voltage	Vrm		V			
Rectified Current (Average), Half Wave Rectification with Resistive Load and f >=50 Hz	lo		mA			
Peak Forward Surge Current,0.001ms	IFSM		Α			
Power Dissipation Derate Above 25°C	Ртот		mW			
Maximum Forward Voltage	VF		V			
Maximum DC Reverse Current at 25V 75V	lr		μА			
Maximum Junction Capacitance( Notes 1)	Сı		pF			
Maximum Reverse Recovery Time (Notes 2)	Trr		ns			
Typical Thermal Resistance, Junction to Ambient(Notes 3)  Junction to Case (Notes 4)	R <sub>θJA</sub> R <sub>θJC</sub>		°C / W			
Junction Temperature Range	TJ		°C			
Circuit Figure		Common Anode	Common Cathode	Series	Single(Alt)	

#### NOTE:

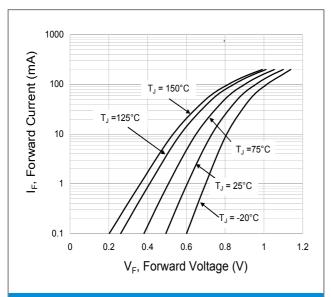
- 1. CJ at VR=0, f=1MHZ
- 2. From IF=10mA to IR=1mA, VR=6Volts, RL=100 $\Omega$
- 3. Mountde on minimum pad.
- 4. Mounted on 48 cm<sup>2</sup> PCB.



August 4,2017-REV.05 PAGE . 1







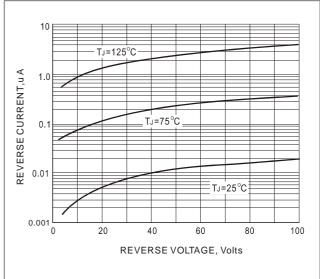
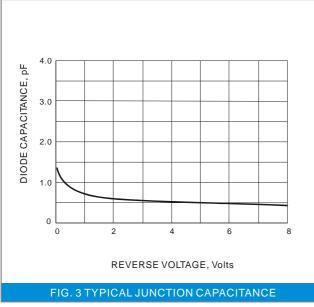
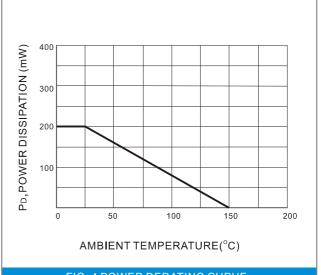


FIG. 1-TYPICAL FORWARD CHARACTERISTIC







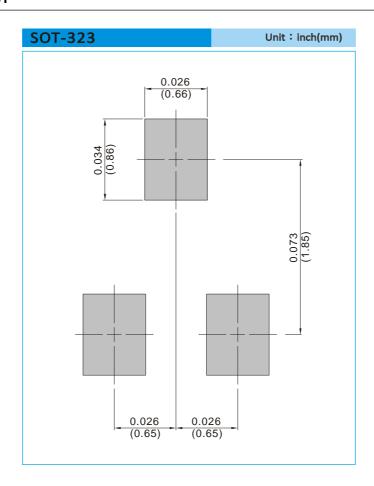
. 3 TYPICAL JUNCTION CAPACITANCE FIG. 4 POWER DERATING CURVE

August 4,2017-REV.05 PAGE . 2





#### **MOUNTING PAD LAYOUT**



### **ORDER INFORMATION**

· Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





## Part No\_packing code\_Version

BAW56W\_R1\_00001 BAW56W\_R2\_00001

### For example:



Packing Code XX					Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1st Code	2 <sup>nd</sup> ~5 <sup>th</sup> 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					





## **Disclaimer**

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties
  of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation.
   Customers are responsible in comprehending the suitable use in particular applications.
   Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

单击下面可查看定价,库存,交付和生命周期等信息

>>Panjit(强茂)