



## SURFACE MOUNT SCHOTTKY DIODES

CURRENT 0.2 Ampere

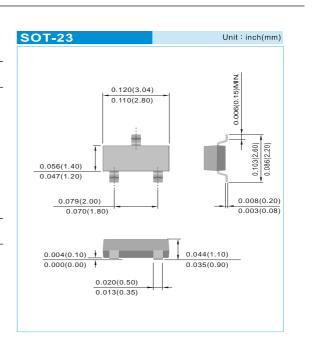
VOLTAGE 70 Volt

### **FEATURES**

- · Fast switching speed
- Surface mount package ideally suited for automatic insertion Electrical identical standard JEDEC
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

### **MECHANICAL DATA**

- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0003 ounces, 0.008 grams



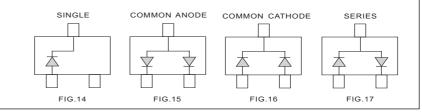
### **ABSOLUTE RATINGS**

Parameter	Symbol	Value	Units
Reverse Voltage	VR	70	V
Peak Reverse Voltage	Vrrm	70	V
Average Rectified Current at Temp=25°C	I F(A∨)	0.2	А
Non-repetitive Peak Forward Surge Current at t=1.0 s	I FSM	0.6	А

### THERMAL CHARACTERISTICS

Parameter	Symbol	BAS70	BAS70A	BAS70C	BAS70S	Units
Marking code	-	A70	A72	A73	A74	-
Power Dissipation	PD	225				mW
Thermal Resistance , Junction to Ambient (Note 1)	Rθja		°C/W			
Operating Junction Temperature	TJ	-55 to 150				°C
Operating Storage Temperature	Тѕтс	-55 to 150				°C
Circuit Configuration	-	SINGLE	COMMON ANODE	COMMON CATHODE	SERIES	-

Note : 1.Mounted on min pad conditions using FR-4 PCB







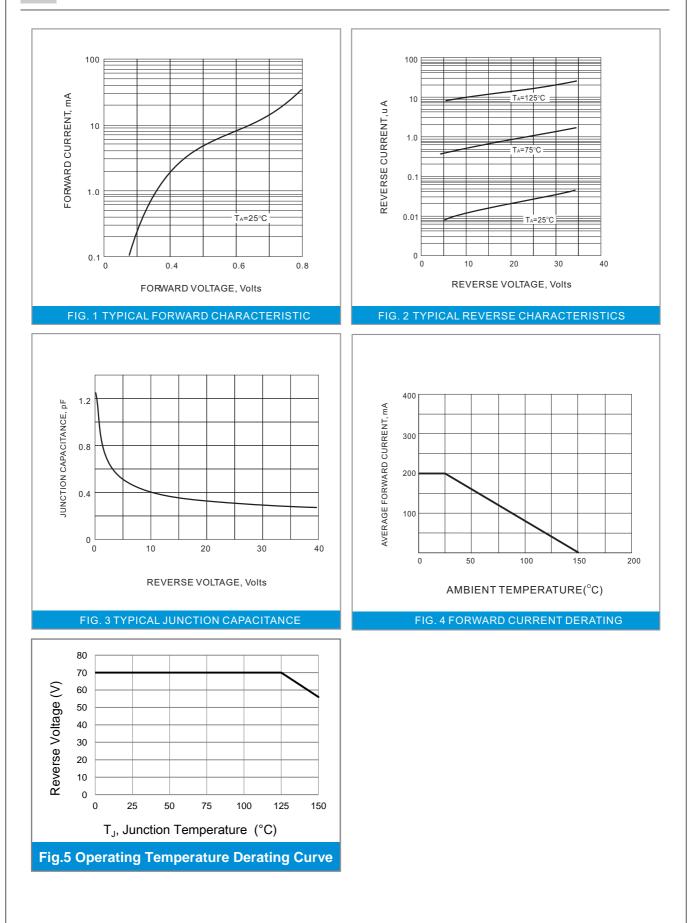
# **BAS70 SERIES**

## **ELECTRICAL CHARACTERISTICS**

Parameter	Symbol	Test Condition	Min.	Тур.	Max.	Units
Reverse Breakdown Voltage	V(BR)	I R=10 uA	70			V
Reverse Current	l r	VR=70 V VR=50 V			1.0 0.1	μΑ
Forward Voltage	VF	F=1.0mA   F=10mA   F=15mA			0.41 0.75 1.00	V
Maximum Junction Capacitance	CJ	VR=0V, f=1.0MHz			2.0	pF



# **BAS70 SERIES**

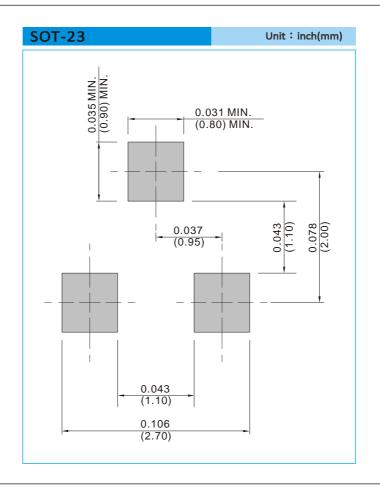




# сų,

# **BAS70 SERIES**

### MOUNTING PAD LAYOUT



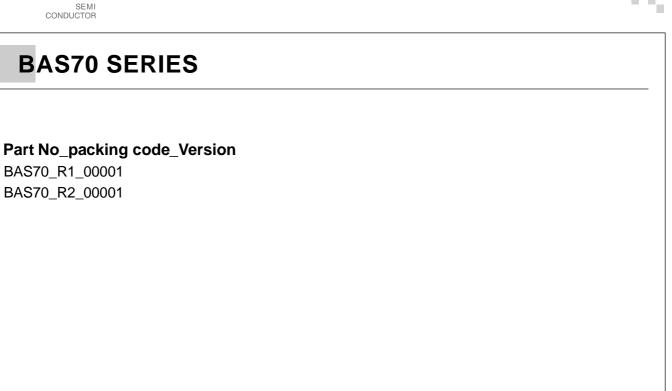
### ORDER INFORMATION

Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





## For example :

RB500V-40\_R2\_00001

Part No.

Serial number

\_

Version code means HF

- Packing size code means 13"
- Packing type means T/R

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





## 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.

## **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panjit:

BAS70C\_R2\_00001 BAS70C\_R1\_10001 BAS70C\_R2\_10001 BAS70C\_R1\_00001