



DATA SHEET

BAS70/A/C/S

SURFACE MOUNT SCHOTTKY DIODES

VOLTAGE 70 Volts CURRENT 0.2 Ampers

FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion Electrical identical standard JEDEC
- High conductor
- Both normal and Pb free product are available :

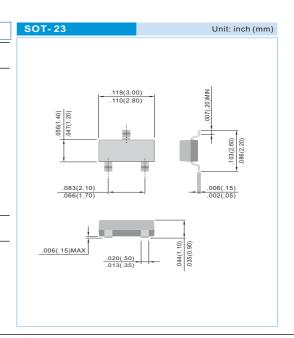
Normal : 80~95% Sn, 5~20% Pb Pb free: 98.5% Sn above

MECHANICAL DATA

Case: SOT-23, Plastic

Terminals: Solderable per MIL-STD-202, Method 208

Approx. Weight: 0.008 gram Marking: A70,A72,A73,A74

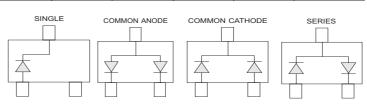


ABSOLUTE RATINGS

PARAMETER	Sym bol	BAS70	BAS70A	BAS70C	BAS70S	Units
Reverse Volage	VR	70				V
Peak Reverse Volage	Vrrm	70				V
Average Rectified CumentatTem p=25°C	Io	0.2			A	
Non-repetitive Peak Forward Surge Cumentatt=10 s	₽sм	0.6			A	

THERMAL CHARACTERISTICS

PARAMETER	Sym bol	BAS70	BAS70A	BAS70C	BAS70S	Units
PowerD issipation	Ртот		m W			
Therm alResistance, Junction to Ambient	R 0 ja	556				°C M
Junction Tem perature	Tj		°C			
S torage Tem perature at Tem p=25°C	TETG	-55 to 150				°C
C ircuitF igure		SNGLE	COMMON ANODE	COMMON CATHODE	SERES	







ELECTRICAL CHARACTERISTICS

PARAMETER	Sym bol	TestC ond ition	M IN .	TYP.	MAX.	Units
Reverse Breakdown Voltage	V (BR)	E=10 uA	70	_	_	V
Reverse Cument	Ir	V _R =70 V V _R =50 V	_	_	1.0 0.1	uA
Forward Volage	VF	F=1.0m A F=10m A F=15m A	_		0.41 0.75 1.00	V
Maximum Junction Capacitance	Сл	VR=0V, f=1.0M Hz	_	_	2.0	pF

ELECTRICAL CHARACTERISTICS CURVE

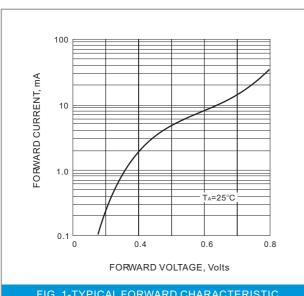


FIG. 1-TYPICAL FORWARD CHARACTERISTIC

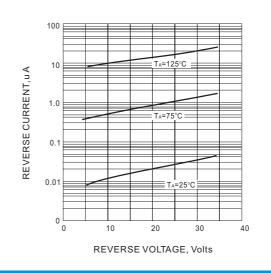
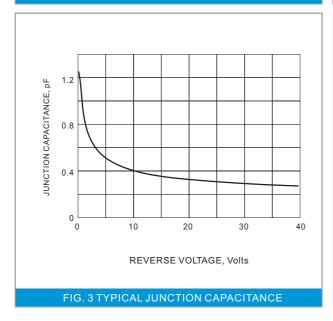
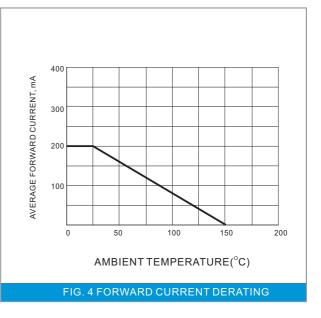


FIG. 2-TYPICAL REVERSE CHARACTERISTICS



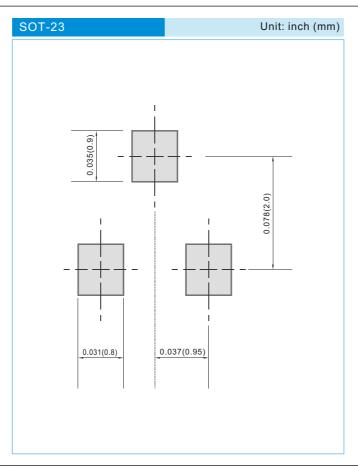


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MOUNTING PAD LAYOUT



ORDER INFORMATION

· Packing information

T/R - 12K per 13" plastic Reel

T/R - 3.0K per 7" plastic Reel

LEGAL STATEMENT

IMPORTANT NOTICE

This information is intended to unambiguously characterize the product in order to facilitate the customer's evaluation of the device in the application. The information will help the customer's technical experts determine that the device is compatible and interchangeable with similar devices made by other vendors. The information in this data sheet is believed to be reliable and accurate. The specifications and information herein are subject to change without notice. New products and improvements in products and product characterization are constantly in process. Therefore, the factory should be consulted for the most recent information and for any special characteristics not described or specified.

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