



SURFACE MOUNT SCHOTTKY DIODES

VOLTAGE 70 Volts

CURRENT 0.2 Amperes

FEATURES

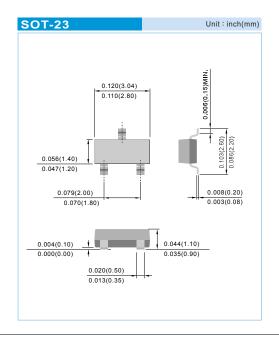
- · Fast switching speed
- · Surface mount package ideally suited for automatic insertion Electrical identical standard JEDEC
- · Acqire quality system certificate: TS16949
- · AEC-Q101 qualified
- · Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

Case: SOT-23, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.0003 ounces, 0.008 grams



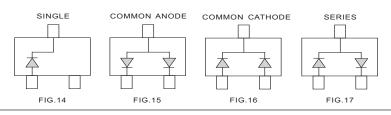
ABSOLUTE RATINGS

Parameter	Symbol	Value	Units
Reverse Voltage	VR	70	٧
Peak Reverse Voltage	VRRM	70	V
Average Rectified Current at Temp=25°C	I F(AV)	0.2	Α
Non-repetitive Peak Forward Surge Current at t=1.0 s	IFSM	0.6	Α

THERMAL CHARACTERISTICS

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

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



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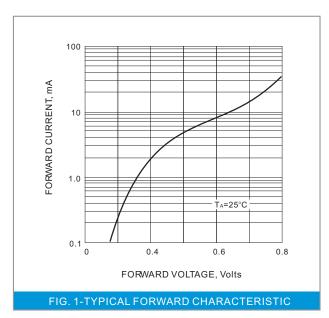




ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min.	Тур.	Max.	Units
Reverse Breakdown Voltage	V(BR)	I R=10 uA	70			٧
Reverse Current	IR	V _R =70 V V _R =50 V			1.0 0.1	μА
Forward Voltage	VF	F=1.0mA F=10mA F=15mA			0.41 0.75 1.00	V
Maximum Junction Capacitance	Сл	V _R =0V, f=1.0MHz			2.0	pF

ELECTRICAL CHARACTERISTICS CURVE



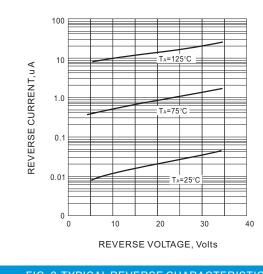
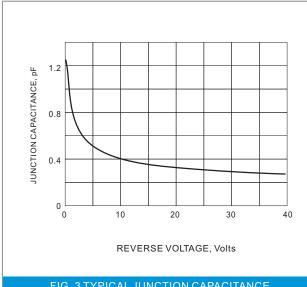
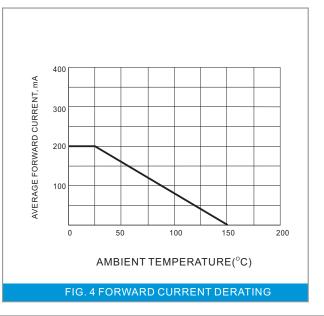


FIG. 2-TYPICAL REVERSE CHARACTERISTICS



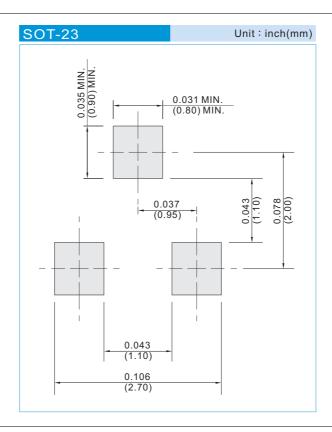


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MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





Part No_packing code_Version

BAS70-AU_R1_000A1 BAS70-AU_R2_000A1

For example:



Packing Code XX				Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd 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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