



SURFACE MOUNT SCHOTTKY DIODES

CURRENT 0.2 Ampere

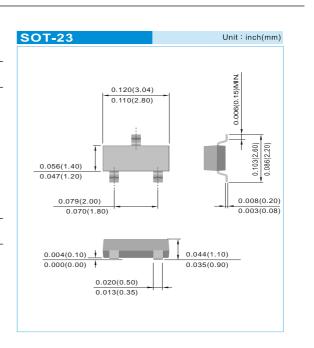
VOLTAGE 70 Volt

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



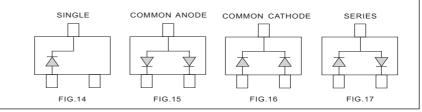
ABSOLUTE RATINGS

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







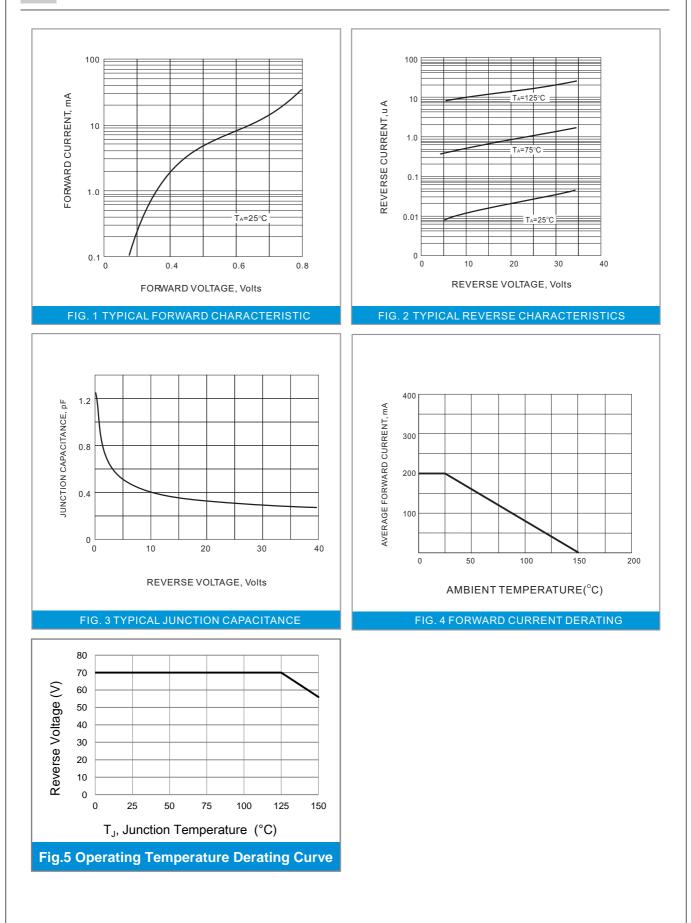
BAS70 SERIES

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

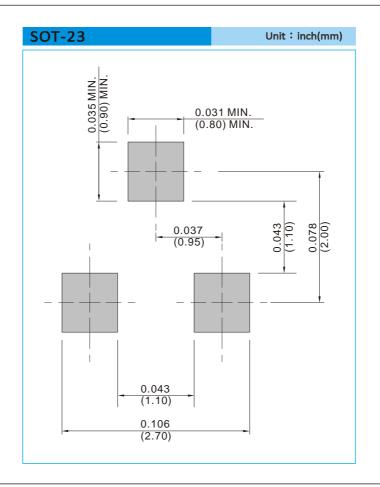




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BAS70 SERIES

MOUNTING PAD LAYOUT



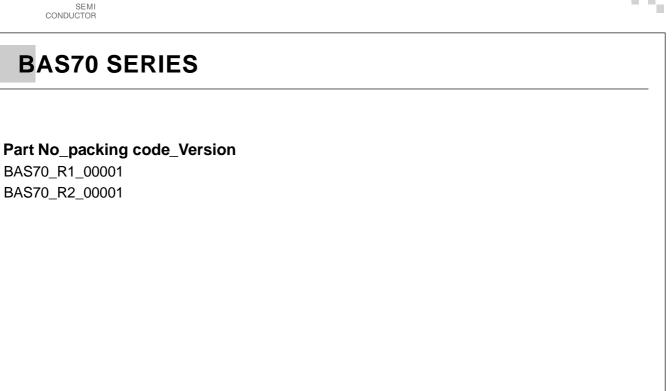
ORDER INFORMATION

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

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Version code means HF

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

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)	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				





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