



BAS70 SERIES

SURFACE MOUNT SCHOTTKY DIODES

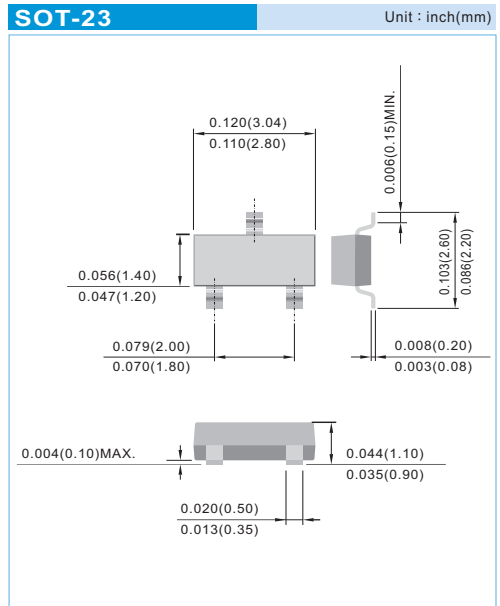
VOLTAGE 70 Volts **CURRENT** 0.2 Amperes

FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- Electrical identical standard JEDEC

MECHANICAL DATA

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



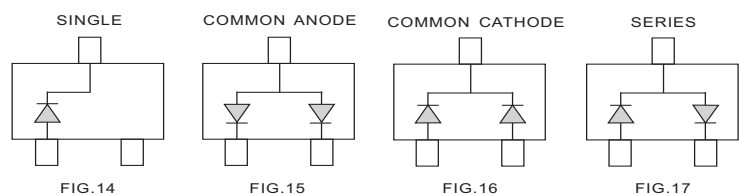
ABSOLUTE RATINGS

Parameter	Symbol	Value	Units
Reverse Voltage	V_R	70	V
Peak Reverse Voltage	V_{RRM}	70	V
Average Rectified Current at Temp=25°C	$I_{F(AV)}$	0.2	A
Non-repetitive Peak Forward Surge Current at t=1.0 s	I_{FSM}	0.6	A

THERMAL CHARACTERISTICS

Parameter	Symbol	BAS70	BAS70A	BAS70C	BAS70S	Units
Marking code	-	A70	A72	A73	A74	-
Power Dissipation	P_D	225				mW
Thermal Resistance , Junction to Ambient (Note 1)	$R_{\theta JA}$	556				°C/W
Operating Junction Temperature	T_J	-55 to 150				°C
Operating Storage Temperature	T_{STG}	-55 to 150				°C
Circuit Configuration	-	SINGLE	COMMON ANODE	COMMON CATHODE	SERIES	-

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



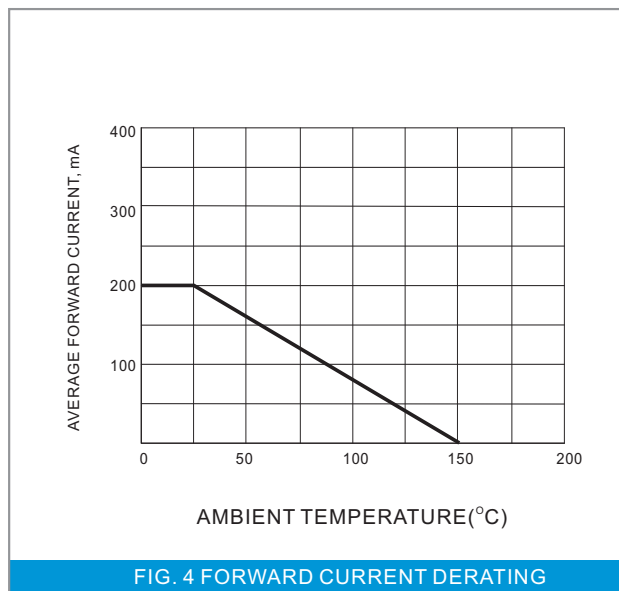
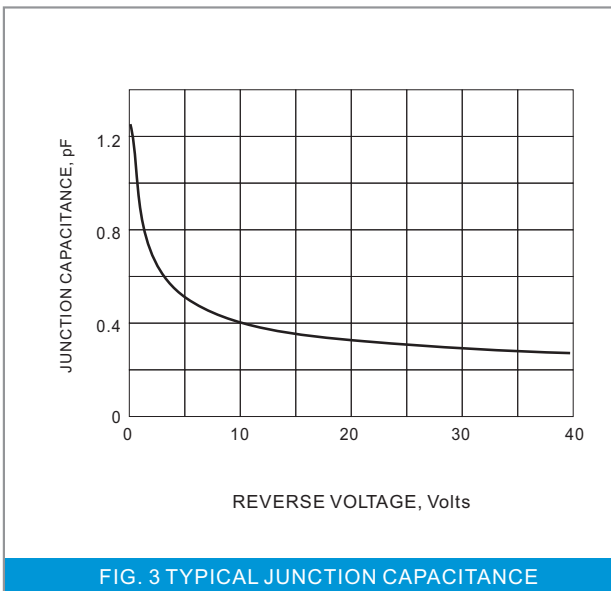
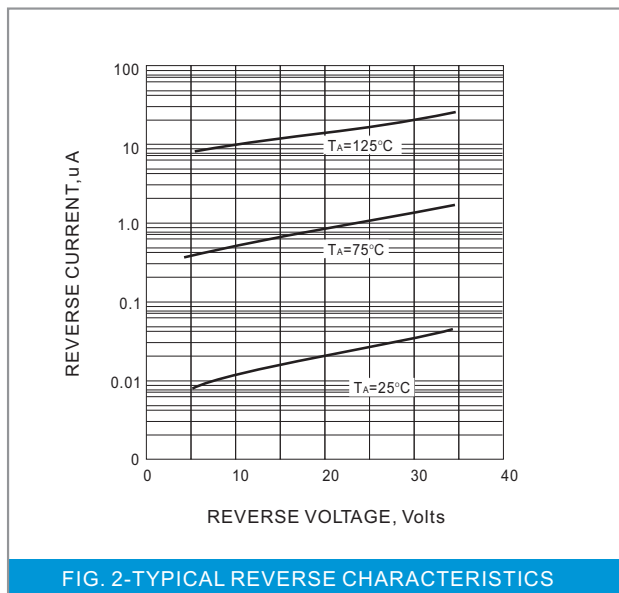
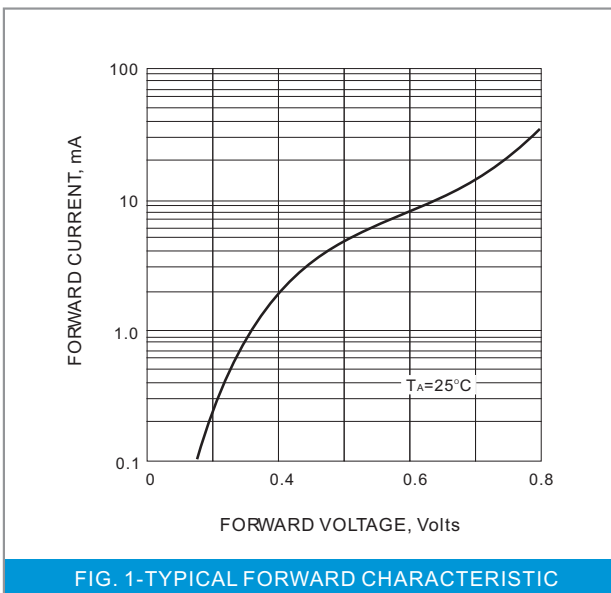


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ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Units
Reverse Breakdown Voltage	$V_{(BR)}$	$I_R=10 \mu A$	70	--	--	V
Reverse Current	I_R	$V_R=70 V$ $V_R=50 V$	--	--	1.0 0.1	μA
Forward Voltage	V_F	$I_F=1.0mA$ $I_F=10mA$ $I_F=15mA$	--	--	0.41 0.75 1.00	V
Maximum Junction Capacitance	C_J	$V_R=0V, f=1.0MHz$	--	--	2.0	pF

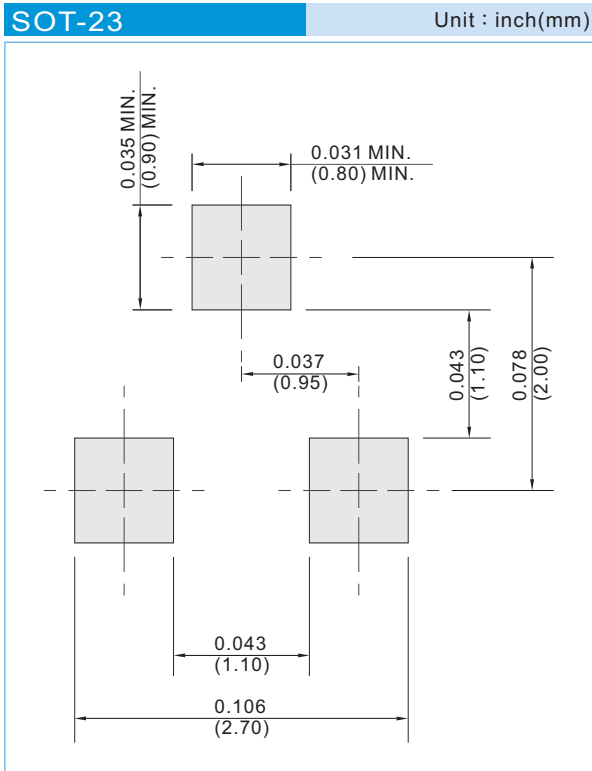
ELECTRICAL CHARACTERISTICS CURVE





BAS70 SERIES

MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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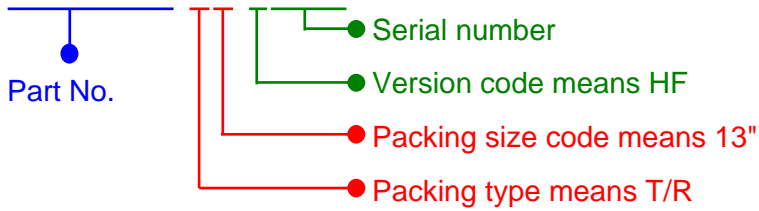


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Part No_packing code_Version

For example :

RB500V-40_R2_0000%



Packing Code XX				Version Code XXXXX		
Packing type	1st Code	Packing size code	2nd Code	HF or RoHS	1st Code	2nd~5th Code
T/B	A	N/A	0	HF	0	serial number
T/R	R	7"	1	RoHS	1	serial number
B/P	B	13"	2			
T/P	T	26mm	X			
TRR	S	52mm	Y			
TRL	L	PBCU	U			
FORMING	F	PBCD	D			