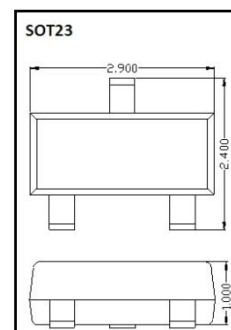


Schottky Barrier DIODE / DATA SHEET

BAS70—BAS70-06

- ◇ High Conductance
- ◇ Low Current Leakage
- ◇ Small Outline Surface Mount Package
- ◇ RoHS compliant / Green EMC

MCC Catalog Number	Device Marking	Type	Pin Configuration See page 2
BAS70	73	Single	Figure1
BAS70-04	74	Dual	Figure2
BAS70-05	75	Dual	Figure3
BAS70-06	76	Dual	Figure4

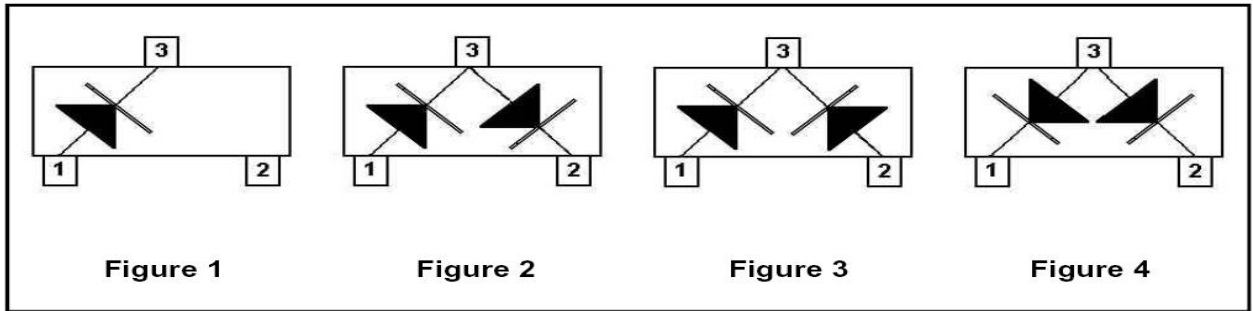


MAXIMUM RATINGS (Ta = 25 °C)

Symbol	Parameter	Value	Units
V _R	Reverse Voltage	70	V
I _F	Forward Continuous Current	70	mA
P _{tot}	Power Dissipation	200	mW
T _J	Operating Junction Temperature Range	-55 to 125	°C
I _{FSM}	Peak Forward Surge Current (t=1S.NON-Repetitive)	0.1	A
T _{stg}	Storage Temperature Rance	-55 to 150	°C
T _J	Soldering temperature during	260	°C
R _J	Thermal Resistance Junction to Ambient	430	°C/W

ELECTRICAL CHARACTERISTICS (Ta = 25 °C)

Symbol	Parameter	Test Conditions	Min	Max	Units
V _F	Forward Voltage	I _F =1mA I _F =15mA		0.41 1.0	V
V _R	Reverse breakdown voltage	I _R =10uA	70		V
I _R	Reverse voltage leakage current	V _R =50V		200	nA
C _J	Typical Junction Capacitance	V _R =0V, f=1.0MHz		2	pF
T _{rr}	Reverse recovery time	I _F =I _R =10mA, I _(REG) =1mA		5	nS



ORDERING INFORMATION

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
BAS70---- BAS70-06	SOT23	Tape & Reel 3000pcs /7" Reel	8mm	4mm	Conductive	

PACKAGE DIMENSIONS

Package Outline : SOT23

Symbol	Dimensions in mm	
	Min.	Max.
A	2.800	3.040
B	2.100	2.640
C	1.200	1.400
D	0.890	1.030
E	1.780	2.050
F	0.450	0.600
G	0.013	0.100
H	0.900	1.110
J	0.090	0.180
K	0.370	0.510

Note:
 1. Halogen free ,EMC
 2. Pb free solder
 3: Lead thickness solder plating
 4. Lead frame CAC-5
 5. Other Tolerance ± 0.05
 6. Dimensions are exclusive of Burrs Mold Flash and Tie Bar extrusions
 7. Unit : mm

SOT23 Package Outline

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[NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SS3003CH-TL-E](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#) [MBRA140TRPBF](#)
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