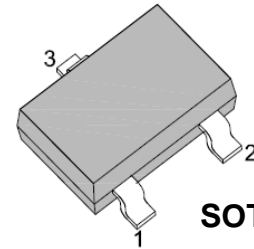


Multiple Terminals SMD Schottky Diodes

Features

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
Electrical identical standard JEDEC
- High conductor
- RoHS compliant and Halogen Free



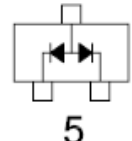
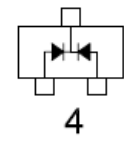
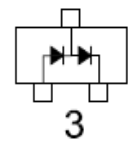
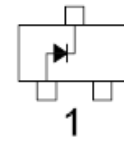
SOT-323



HALOGEN
FREE

Mechanical Data

Case:	SOT-323, Plastic Package
Terminals:	Solderable per MIL-STD-750, Method 2026
Weight:	Approx. 0.005 gram



Maximum Ratings ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Symbol	Description	BAS70WS	BAS70AWS	BAS70CWS	BAS70SWS	Unit	Conditions
	Pinout Figure	1	5	4	3		
	Marking Code	A70	A72	A73	A74		
VR	Reverse Voltage	70				V	
VRRM	Repetitive Peak Reverse Voltage	70				V	
IF(AV)	Maximum Average Forward Current	200				mA	
IFSM	Peak Forward Surge Current	600				mA	Pulse Width=1.0s (JEDEC Method)
PD	Power Dissipation	225				mW	
RθJA	Thermal Resistance, Junction to Ambient	556				°C/W	
TJ, TSTG	Operating Junction and Storage Temperature Range	-55 to +150				°C	

Multiple Terminals SMD Schottky Diodes

BAS70WS/AWS/CWS/SWS

Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Symbol	Description	Min.	Max.	Unit	Conditions
V_F	Forward Voltage	-	0.41	V	I _F =1.0mA
		-	0.75		I _F =10mA
		-	1.00		I _F =15mA
V_(BR)	Reverse Breakdown Voltage	70	-	V	I _R =10μA
I_R	Maximum Reverse Current	-	10	μA	V _R =70V
		-	0.1		V _R =50V
C_J	Junction Capacitance	-	2.0	pF	V _R =0V, f=1.0MHz

Typical Characteristics Curves

Fig.1- Forward Current Derating

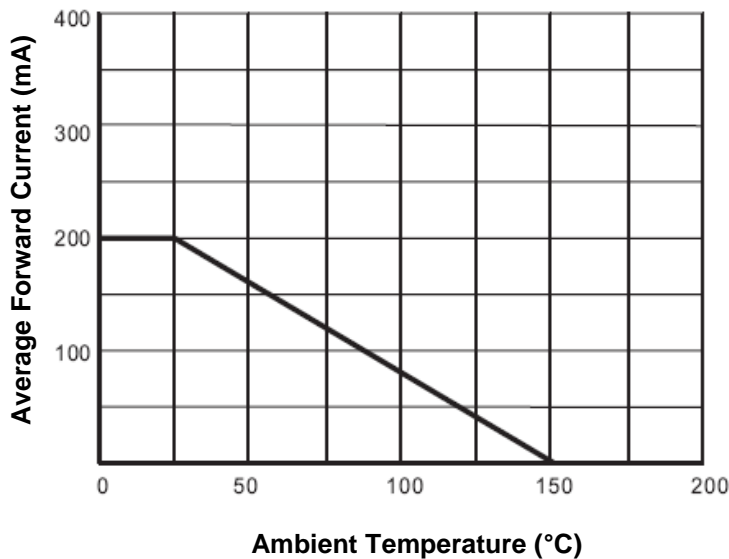
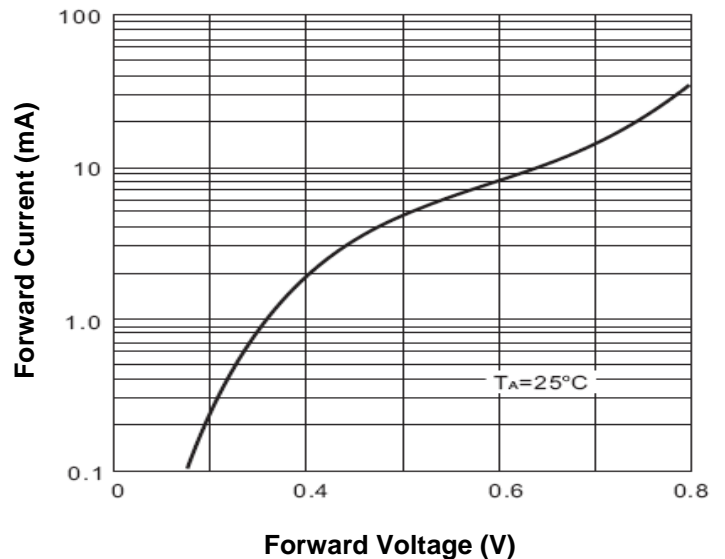


Fig.2- Typical Forward Characteristics



Multiple Terminals SMD Schottky Diodes

BAS70WS/AWS/CWS/SWS

Fig.3-Typical Reverse Characteristics

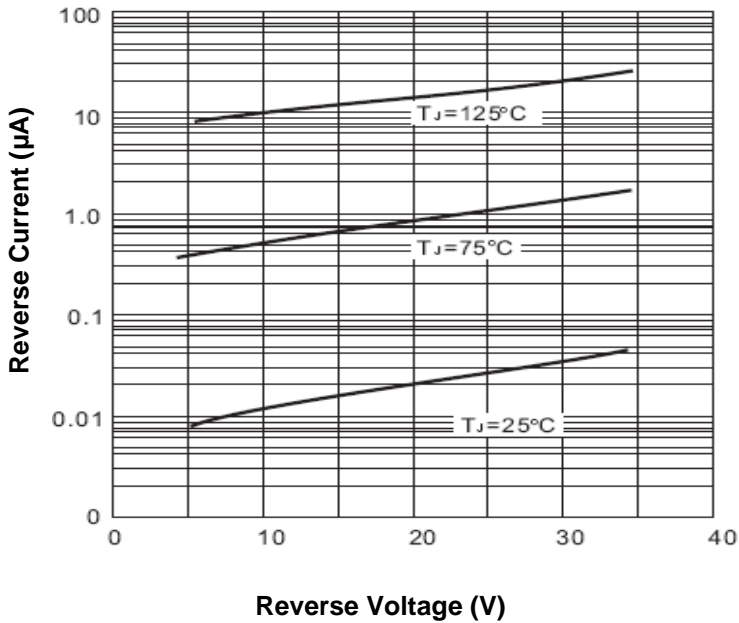
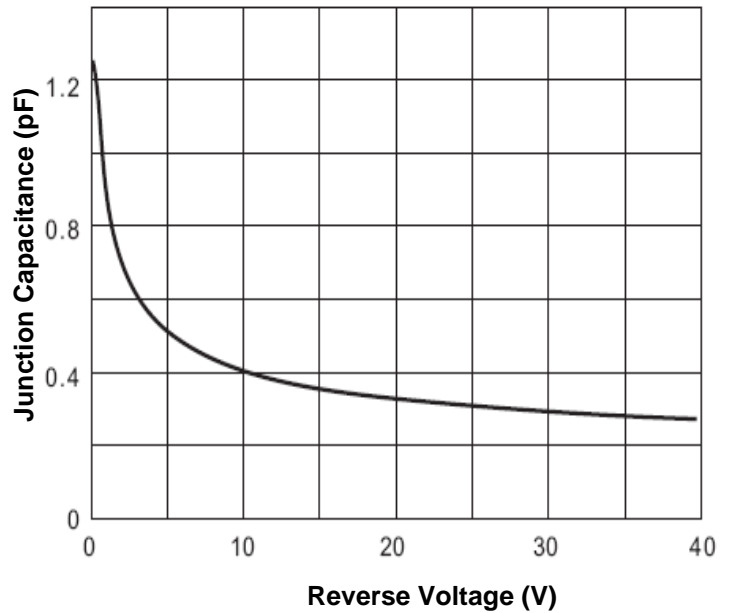
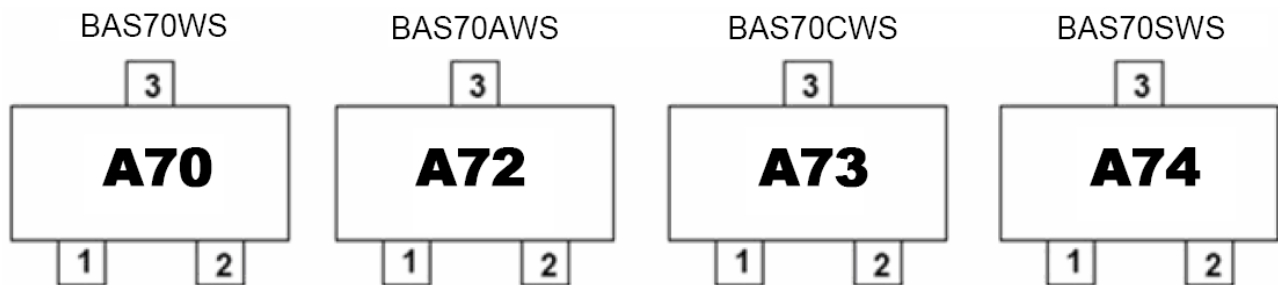


Fig.4- Typical Junction Capacitance



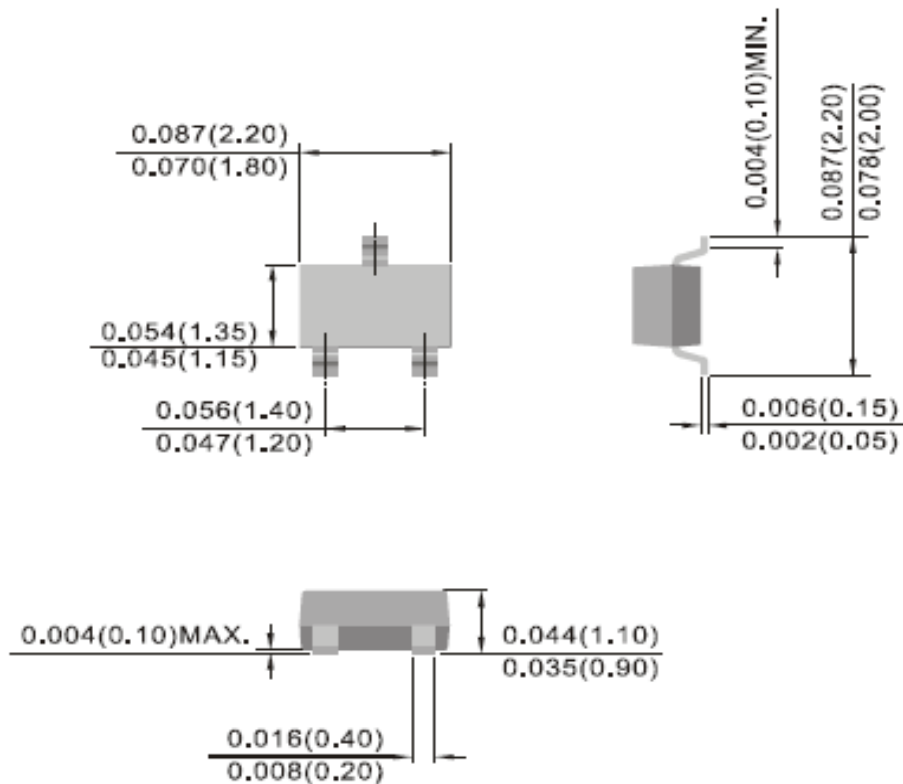
Marking Information



Multiple Terminals SMD Schottky Diodes

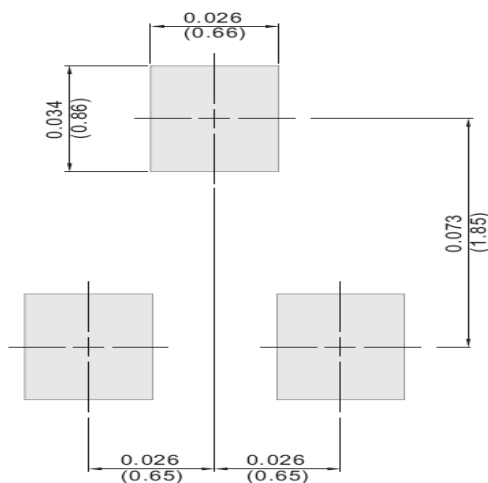
BAS70WS/AWS/CWS/SWS

Dimensions in inch (mm)



SOT-323

Mounting Pad Layout in inch (mm)



Multiple Terminals SMD Schottky Diodes

BAS70WS/AWS/CWS/SWS

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