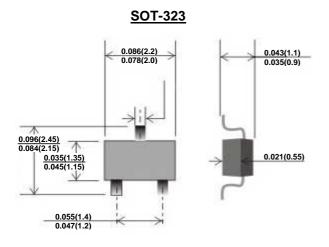


BAS70W SERIES

SURFACE MOUNT SCHOTTKY DIODES

Reverse Voltage - 70 Volts Forward Current - 0.2 Ampere



FEATURES

- Fast switching speed
- Surface mount package Ideally suited for automatic insertion
- Electrically identical to standerd JEDEC
- High Conductance
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std..(Halogen Free)

MECHANICAL DATA

Case: JEDEC SOT-323, Molded plastic Terminals: Solderable per MIL-STD-750 , Method 2026 Approx. Weight: 0.0002 ounces, 0.005 grams

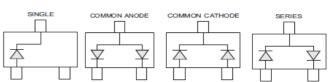
Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwis e specified. Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

PARAMETER	SYMBOLS	BAS70W	BAS70AW	BAS70CW	BAS70SW	UNITS
Marking Code		S70	S72	S73	S74	Volts
Reverse Voltage	V _R	70				Volts
Peak Reverse Voltage	V _{RRM}	70				Volts
Minimum Reverse Breakdown Voltage at I _R =10µA	V _{BR}	70				Volts
Average Rectified Current at Temp =25 °C	I _{F(avg.)}	0.2				mA
Non-repetitive Peak Forward Surge Current, at t=1.0s	I _{FSM}	0.6				Amps
Power Di ssi pati on Derate Above 25°C	P _{TOT}	225				mW
Maximum Forward Voltage	V _F	0.41V @ I _F =1.0 mA 0.75V @ I _F = 10 mA 1.00V @ I _F = 15 mA				Volts
$\begin{array}{llllllllllllllllllllllllllllllllllll$		1.0 0.1				μA
Typical Junction Capacitance (Notes 1)	CJ	2.0				pF
Typical Thermal Resistance	$R_{ hetaJA}$	556				C/W
Junction Temperature and Storage Temperature Range	T _{STG}	-55 ~ +150				C
Circuit Figure		Single	Common Anode	Common Cathode	Series	

Note: 1. C_J at Reverse Voltage = 0V, f=1MHz





RATINGS AND CHARACTERISTIC CURVES

