

Micro Commercial Components

Micro Commer

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BAS70WX

Features

- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Fast Switching Speed
- Low Turn-on Voltage
- Surface Mount Package Ideally Suited for Automatic Insertion
- PN Junction Guard Ring for Transient and ESD Protection
- Halogen free available upon request by adding suffix "-HF"

Mechanical Data

- Marking :K73
- Polarity: Indicated by Cathode Band
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Specified

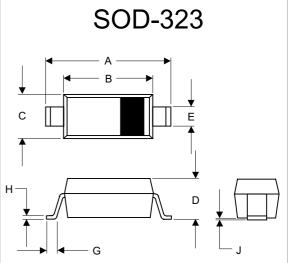
Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V_{RWM}	70	V
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	49	V
Forward Continuous Current(Note1)	I_{F}	70	mA
Forward Surge Current @ t<1.0s	I _{FSM}	100	mA
Power Dissipation(Note 1)	P _d	200	mW
Thermal Resistance(Note 1)	R	625	K/W
Operation Temp. Range	T _j	-55 to +125	°C
Storage Temp. Range	T _{STG}	-65 to +150	°C
Fleetrical Oberesteriation @ OF			0

Electrical Characteristics @ 25°C Unless Otherwise Specified

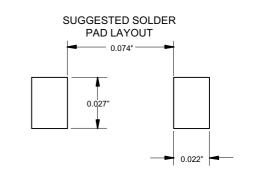
Charateristic	Symbol	Min	Max	Unit	Test Cond.
Forward Voltage	$V_{\rm F}$		0.41 1	V	t _p <300us I _F =1.0mA t _p <300us I _F =15mA
Reverse Leakage Current	I _R		100	nA	t _p <300us V _R =50V
Junction Capacitance	Cj		2	pF	$V_R=0V$, f=1.0MHz
Reverse Recovery Time	t _{rr}		5	ns	$I_{F}=I_{R}=10mA$ $I_{R}=1.0mA,$ $R_{L}=100OHM$

Notes: 1. Valid provided that terminals are kept at ambient temperature.

Surface Mount Schottky Barrier Diode 200mW



	DIMENSIONS					
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
Α	.090	.107	2.30	2.70		
В	.063	.071	1.60	1.80		
С	.045	.053	1.15	1.35		
D	.031	.045	0.80	1.15		
Е	.010	.016	0.25	0.40		
G	.004	.018	0.10	0.45		
Н	.004	.010	0.10	0.25		
J		.006		0.15		



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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