

Features

- Low Turn-on Voltage
- Fast Switching
- Ultra-Small Surface Mount Package
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P"Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 500°C/W Junction to Ambient

	MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
İ	BAS70WT	K73	70V	70V
Ī	BAS70WT-04	K74	70V	70V
	BAS70WT-05	K75	70V	70V
Ī	BAS70WT-06	K76	70V	70V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	70mA	T _A = 25 °C
Power Dissipation	P _d	200mW	T _A = 25 °C
Maximum Forward Voltage	V _F	410mV 1000mV	I _F =1.0mA I _F =15mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	0.1μΑ	V _R = 50V
Minimum Reverse Breakdown Voltage	V _(BR)	70V	I _R =10μA
Maximum Junction Capacitance	C _d	2.0pF	Measured at 1.0MHz, V _R =0V
Maximum Reverse Recovery Time	t _{rr}	5.0ns	$I_F=I_R=10\text{mA},$ $I_{rr}=0.1\text{xIR},$ $R_L=100\Omega$

Internal Structure:

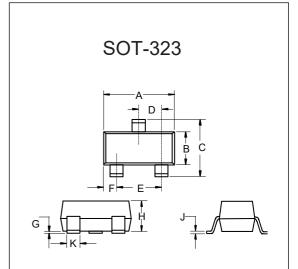






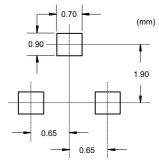


200mW,70V Schottky Barrier Diode



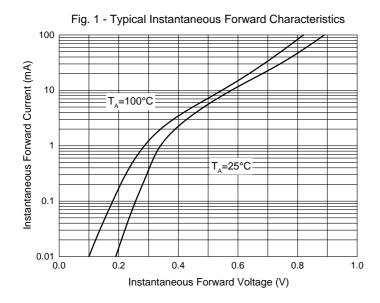
DIMENSIONS								
DIM	INCHES		MM		NOTE			
DIIVI	MIN	MAX	MIN	MAX	NOTE			
Α	0.071	0.087	1.80	2.20				
В	0.045	0.053	1.15	1.35				
С	0.083	0.096	2.10	2.45				
D	0.026 1	Nominal	0.65 Nominal					
Е	0.047	0.055	1.20	1.40				
F	0.012	0.016	0.30	0.40				
G	0.000	0.004	0.00	0.10				
Н	0.035	0.044	0.90	1.10				
J	0.002	0.010	0.05	0.25				
K	0.006	0.016	0.15	0.40				

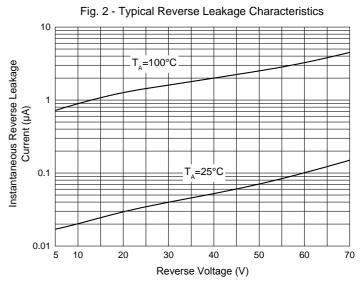
Suggested Solder Pad Layout

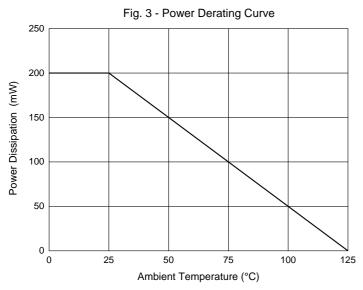




Curve Characteristics









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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