



Micro Commercial Components



Micro Commercial Components  
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# BAS70WT THRU BAS70WT-06

## 200mW Schottky Barrier Rectifiers 70 Volts

### Features

- Low Turn-on Voltage
- Fast Switching
- Ultra-Small Surface Mount Package
- Forward Continuous Current: 70mA @  $T_a = 25^\circ\text{C}$
- Operating Temperature Range  $T_j$ :  $-55$  to  $+125^\circ\text{C}$
- Storage Temperature Range  $T_{STG}$ :  $-65$  to  $+150^\circ\text{C}$
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

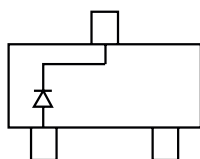
### Mechanical Data

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking Code: BAS70WT=K73

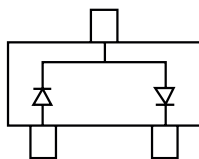
BAS70WT-04=K74

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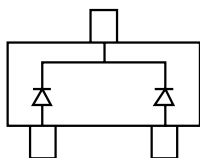
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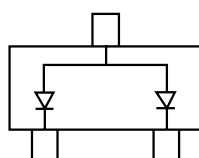
BAS70WT



BAS70WT-04

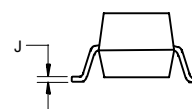
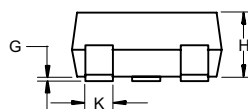
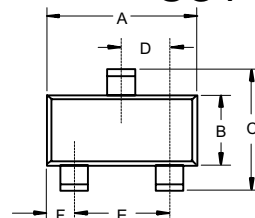


BAS70WT-05



BAS70WT-06

### SOT-323

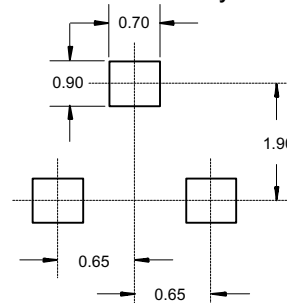


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
D	.026 Nominal		0.65 Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.006	.016	.15	.40	

### Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
$V_{(BR)R}$	Reverse Breakdown Voltage ( $I_R = 10\mu\text{A}$ )	70	---	---	V
$V_F$	Forward Voltage $I_F = 1.0\text{mA}$ $I_F = 15\text{mA}$	---	---	410 1000	mV
$I_R$	Leakage Current ( $V_R = 50\text{Vdc}$ )	---	---	100	nA
$C_D$	Junction Capacitance ( $V_R = 0$ , $f = 1.0\text{MHz}$ )	---	---	2.0	pF
$t_{rr}$	Reverse Recovery Time ( $I_F = 10\text{mA}$ through $I_R = 10\text{mA}$ to $I_R = 1.0\text{mA}$ )	---	---	5.0	ns

### Suggested Solder Pad Layout



## 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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