



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)

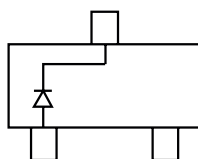
Mechanical Data

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

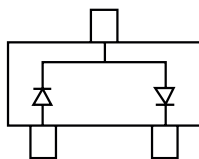
BAS70WT-04=K74

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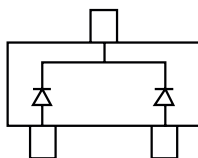
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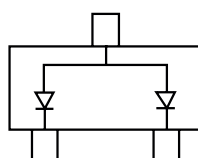
BAS70WT



BAS70WT-04

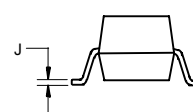
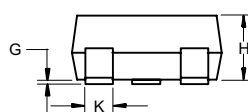
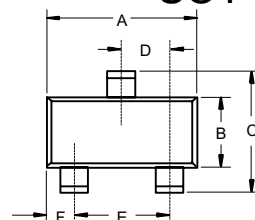


BAS70WT-05



BAS70WT-06

SOT-323



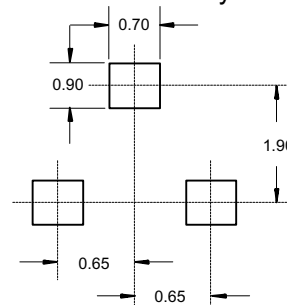
DIMENSIONS

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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