



Micro Commercial Components



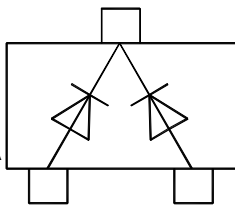
Micro Commercial Components  
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# BAV70WT

## 200mW Switching Diode

### Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Power dissipation: 200mW ( $T_{amb}=25^{\circ}C$ )
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- For Surface Mount Application



Marking : KJA

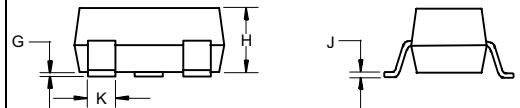
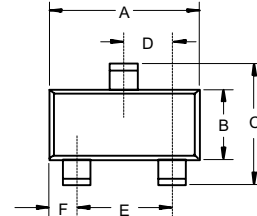
### Maximum Ratings

- Operating Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Storage Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$

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

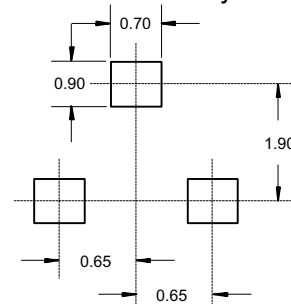
Reverse Voltage	$V_R$	75V	$I_R=100 \mu A$
Peak Forward Current	$I_F$	150mA	
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	2A 1A	@1us @1s
Maximum Instantaneous Forward Voltage	$V_F$	0.715V 0.855 1.0V 1.25V	$I_{FM}=1mA$ ; $I_{FM}=10mA$ ; $I_{FM}=50mA$ ; $I_{FM}=150mA$ ;
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	2.5 $\mu A$	$V_R=75Volts$
Diode Capacitance	$C_D$	2pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	$T_{rr}$	4ns	$I_F=I_R=10mA$ $I_{rr}=0.1I_R$ $R_L=100 \Omega$

### SOT-323



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
D	.026 Nominal		0.65Nominal		
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	

### Suggested Solder Pad Layout





TM

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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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