

**M·C·C·**

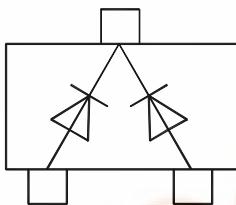
Micro Commercial Components

Micro Commercial Components  
20736 Marilla Street Chatsworth  
CA 91311  
Phone: (818) 701-4933  
Fax: (818) 701-4939

## Features

- Power dissipation: 200mW ( $T_{amb}=25^{\circ}\text{C}$ )
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- For Surface Mount Application

Marking KJA



## Maximum Ratings

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

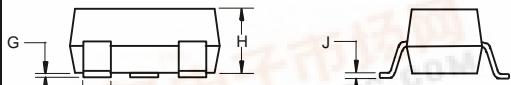
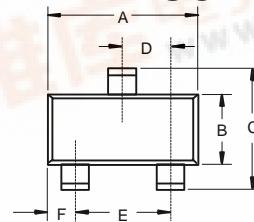
## Electrical Characteristics @ $25^{\circ}\text{C}$ Unless Otherwise Specified

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

## BAV70WT

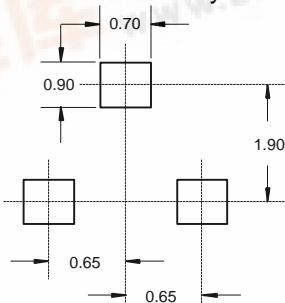
## 200mW Switching Diode

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	.079	.087	2.00	2.20	
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	.012	.016	.30	.40	

### Suggested Solder Pad Layout





## Micro Commercial Components

**\*\*\*IMPORTANT NOTICE\*\*\***

*Micro Commercial Components Corp.* reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes.

*Micro Commercial Components Corp.* does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp.* and all the companies whose products are represented on our website, harmless against all damages.

### \*\*\*APPLICATIONS DISCLAIMER\*\*\*

Products offered by *Micro Commercial Components Corp.* are not intended for use in Medical, Aerospace or Military Applications.