



Micro Commercial Components

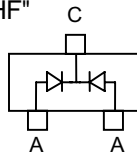


Micro Commercial Components  
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## BAV74

### Features

- Fast Switching Speed
- For General Purpose Switching Applications
- Surface Mount Package Ideally Suited for Automatic Insertion
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoH SCompliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"
- Marking:JA
- High Conductance
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1



### Maximum Ratings

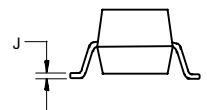
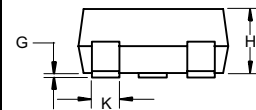
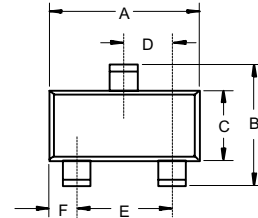
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 556°C/W Junction To Ambient

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

Reverse Voltage	$V_R$	50V	
Average Rectified Output Current	$I_O$	200mA	
Power Dissipation	$P_D$	225mW	
Maximum Instantaneous Forward Voltage	$V_F$	1V	$I_{FM} = 100mA$ ;
Reverse voltage leakage current	$I_R$	0.1μA	$V_R=50Volts$
Typical Junction Capacitance	$C_J$	2 pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	$T_{rr}$	4nS	$I_F=I_R=10mA$ $I_{rr} = 0.1 \times I_R$ $R_L=100\Omega$

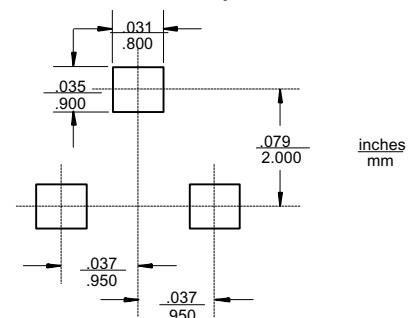
## 225mW 50 Volt Dual Switching Diode

### SOT-23



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.104	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

### Suggested Solder Pad Layout



## Typical Characteristics

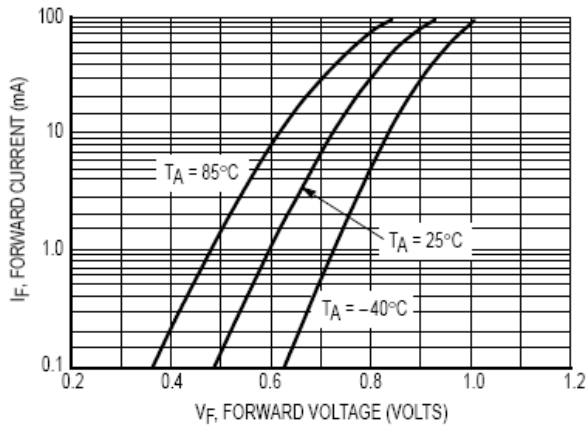


Figure 1. Forward Voltage

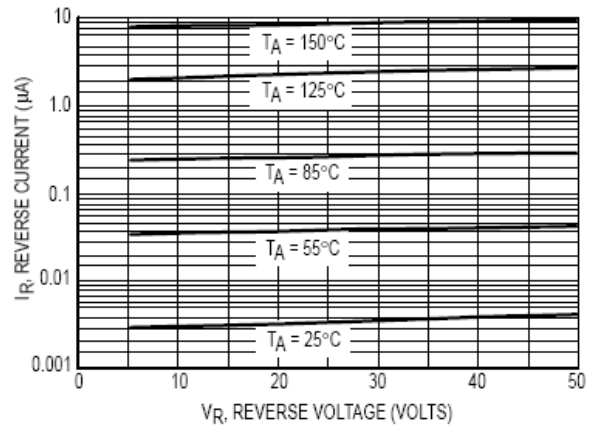


Figure 2. Leakage Current

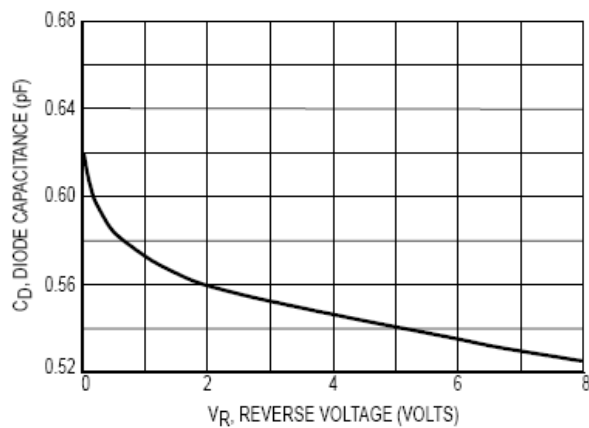


Figure 3. Capacitance



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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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