



Micro Commercial Components



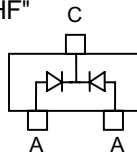
Micro Commercial Components
 20736 Marilla Street Chatsworth
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BAV74

225mW 50 Volt Dual Switching Diode

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



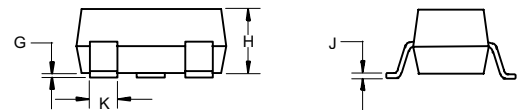
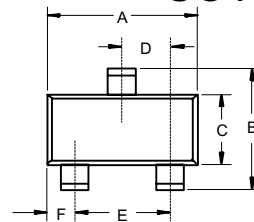
Maximum Ratings

- 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

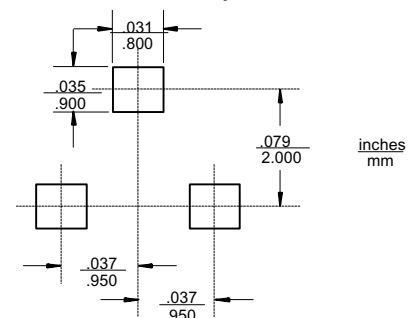
Reverse Voltage	V_R	50V	
Average Rectified Output Current	I_O	200mA	
Power Dissipation	P_D	225mW	
Maximum Instantaneous Forward Voltage	V_F	1V	$I_{FM} = 100mA$;
Reverse voltage leakage current	I_R	0.1 μ A	$V_R=50Volts$
Typical Junction Capacitance	C_J	2 pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery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

SOT-23



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

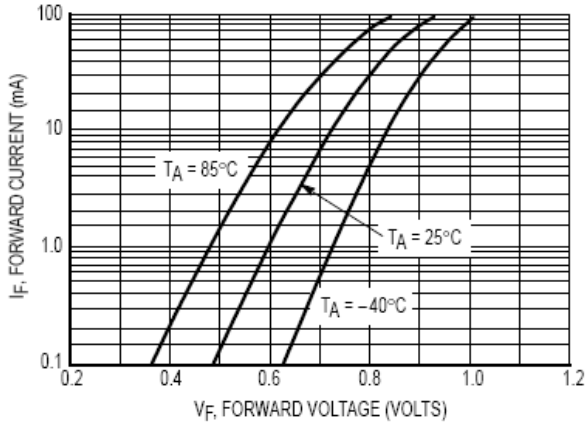


Figure 1. Forward Voltage

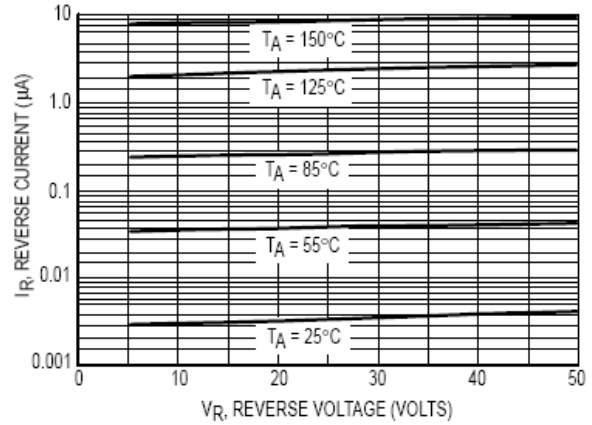


Figure 2. Leakage Current

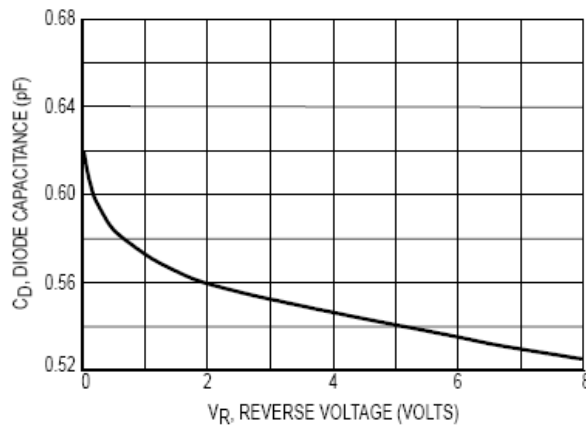


Figure 3. Capacitance



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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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