



Micro Commercial Components



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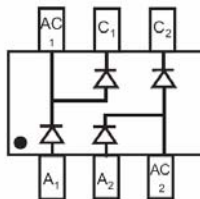
# BAV99BRW

## 200mW 75Volt Plastic-Encapsulate Diode

### Features

- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Low Current Leakage
- Low Cost
- Small Outline Surface Mount Package

MAKING:KGJ



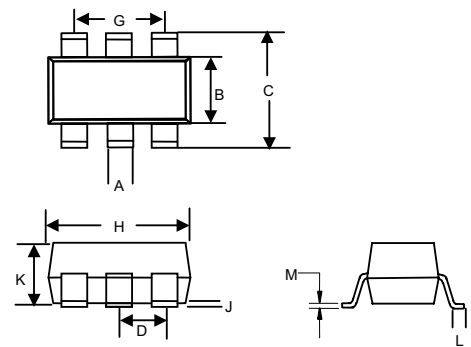
### Maximum Ratings

- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

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

Reverse Voltage	$V_R$	75V	
Average Rectified Output Current	$I_O$	150mA	
Peak Forward Surge Current	$I_{FSM}$	1.0A	$t=1s$ , Non-Repetitive
		2.0A	$t=1\mu s$ , Non-Repetitive
Power Dissipation	$P_{TOT}$	200mW	
Maximum Instantaneous Forward Voltage	$V_F$	715mV	$I_{FM} = 1mA$ ;
		855mV	$I_{FM} = 10mA$ ;
		1000mV	$I_{FM} = 50mA$ ;
		1250mV	$I_{FM} = 150mA$ ;
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	2.5 $\mu A$	$V_R=75V$
		0.025 $\mu A$	$V_R=20V$
Typical Junction Capacitance	$C_J$	2.0pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	$T_{rr}$	4nS	$I_F=I_R=10mA$ $I_{rr} = 0.1 \cdot I_R$ $R_C=100\Omega$

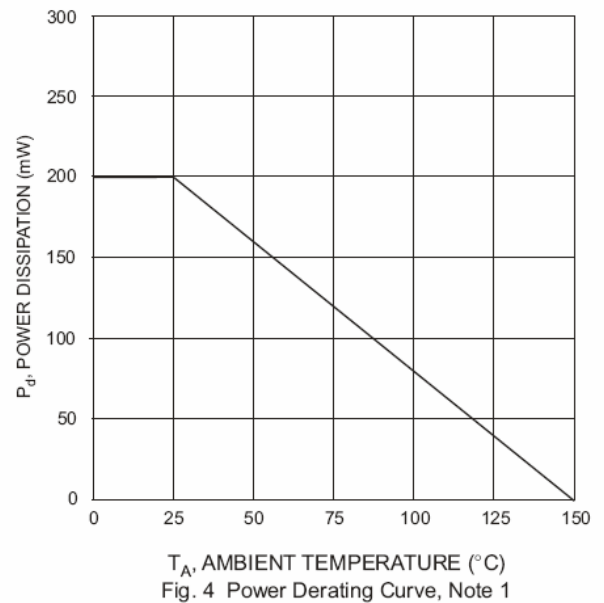
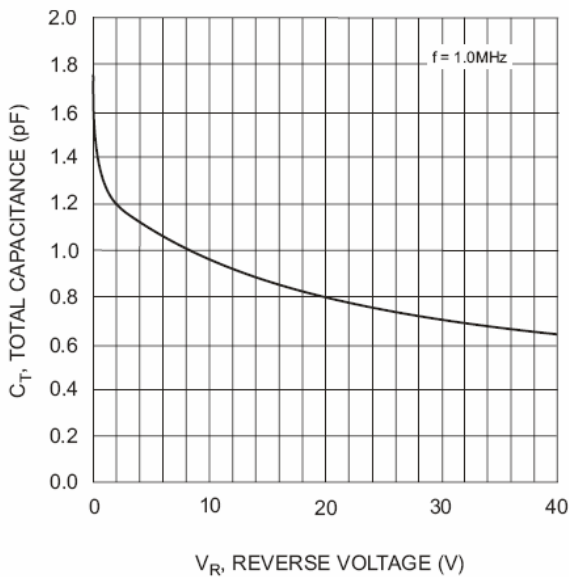
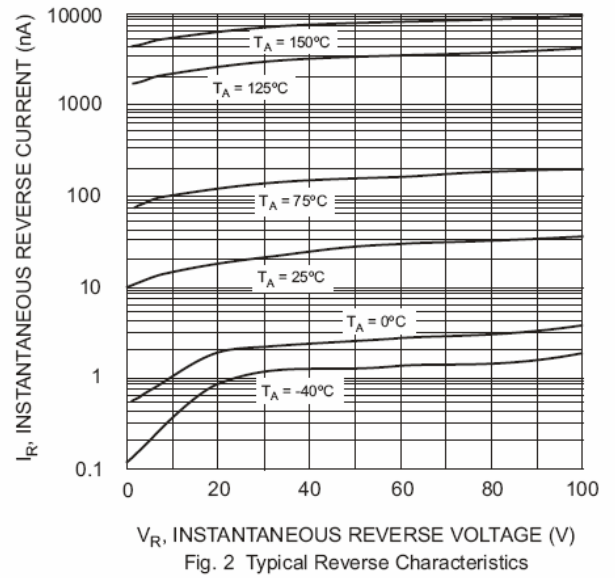
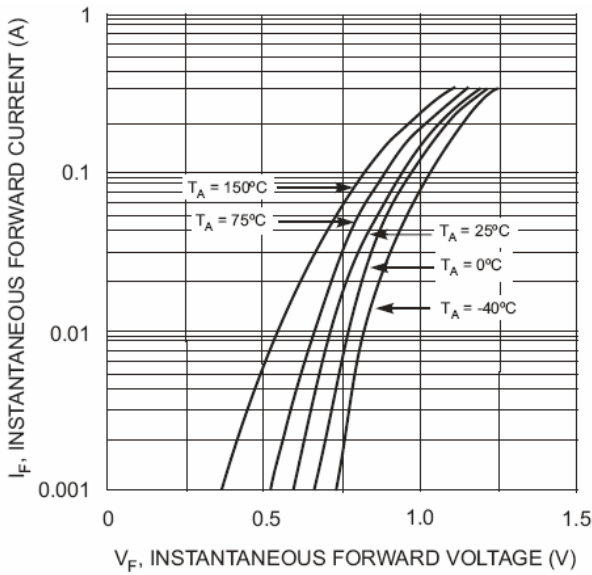
### SOT-363



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026		0.65Nominal		
G	.047	.055	1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	

# Typical Characteristics

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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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