

## Excellent Integrated System Limited

Stocking Distributor

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[Micro Commercial Components \(MCC\)](#)  
[BAV99BRW-TP](#)

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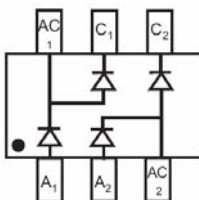
## BAV99BRW

### 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



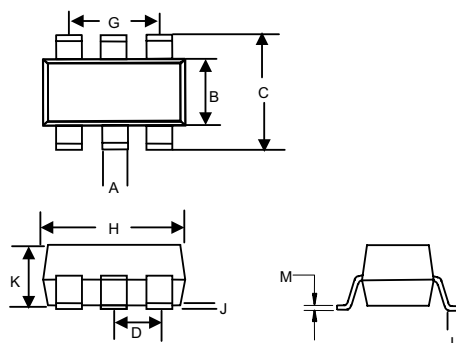
### Maximum Ratings

- 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 2.0A	$t=1s$ , Non-Repetitive $t=1\mu s$ , Non-Repetitive
Power Dissipation	$P_{TOT}$	200mW	
Maximum Instantaneous Forward Voltage	$V_F$	715mV 855mV 1000mV 1250mV	$I_{FM} = 1mA$ ; $I_{FM} = 10mA$ ; $I_{FM} = 50mA$ ; $I_{FM} = 150mA$ ;
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	2.5uA 0.025uA	$V_R=75V$ $V_R=20V$
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



DIMENSIONS					
DIM	INCHES		MM		NOTE
	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

## BAV99BRW

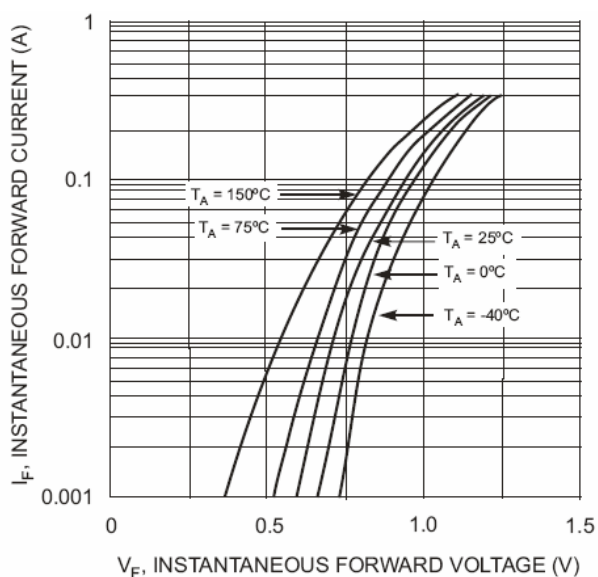


Fig. 1 Forward Characteristics

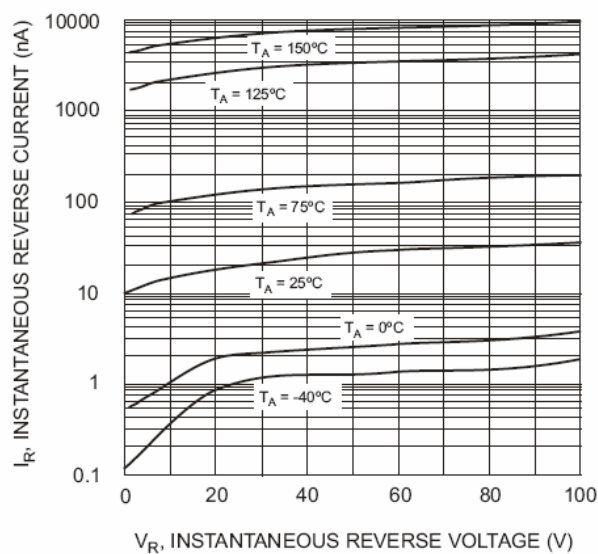


Fig. 2 Typical Reverse Characteristics

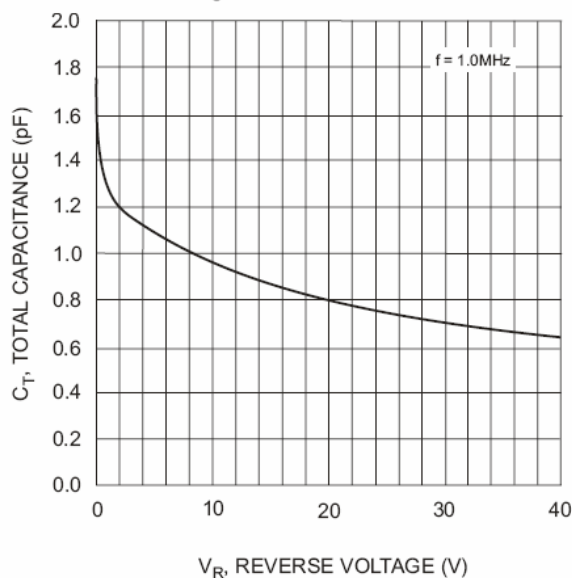


Fig. 3 Typical Capacitance vs. Reverse Voltage

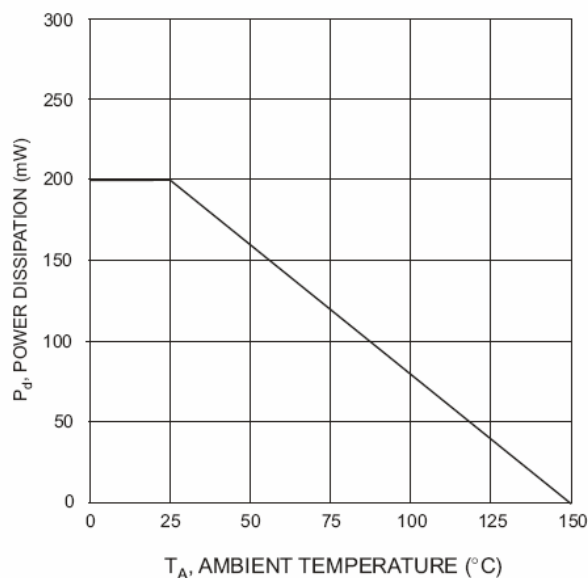


Fig. 4 Power Derating Curve, Note 1



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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