



Micro Commercial Components



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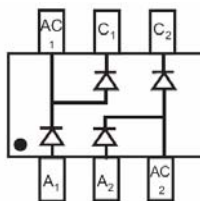
BAV99BRW

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



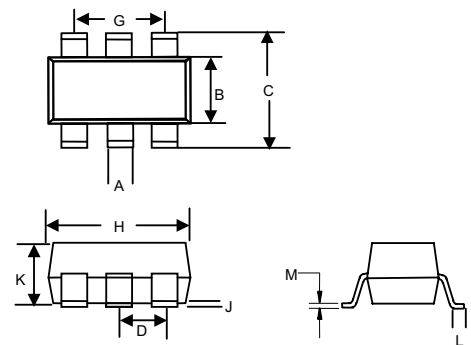
Maximum Ratings

- 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	2.5uA	$V_R=75V$
		0.025uA	$V_R=20V$
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

BAV99BRW

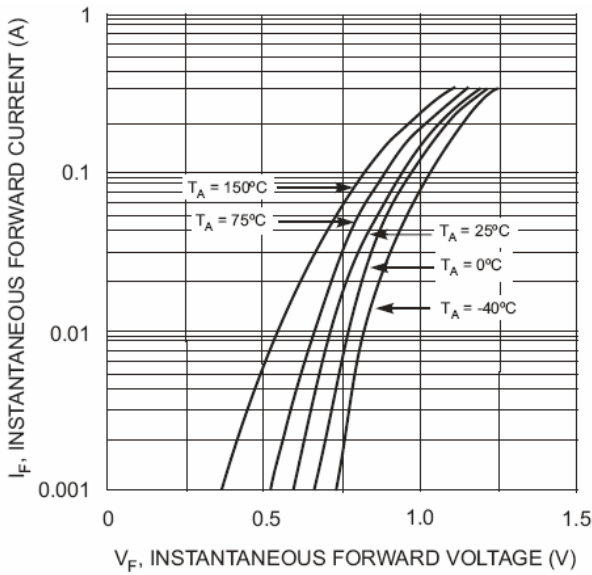


Fig. 1 Forward Characteristics

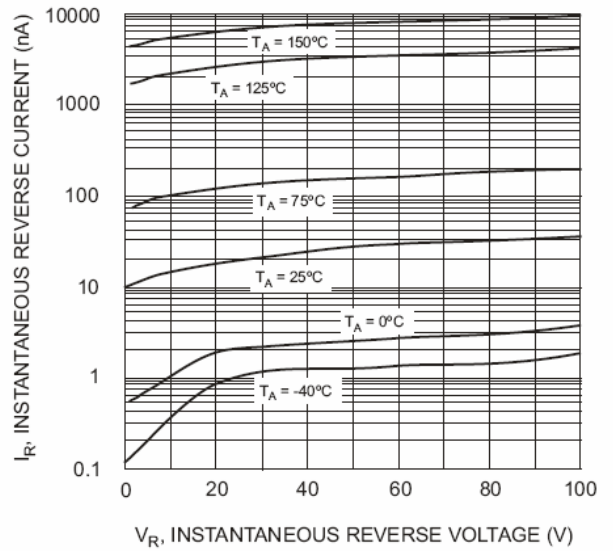


Fig. 2 Typical Reverse Characteristics

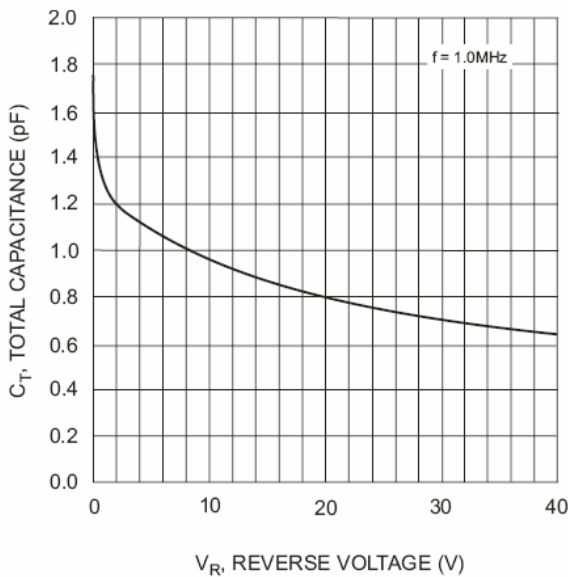


Fig. 3 Typical Capacitance vs. Reverse Voltage

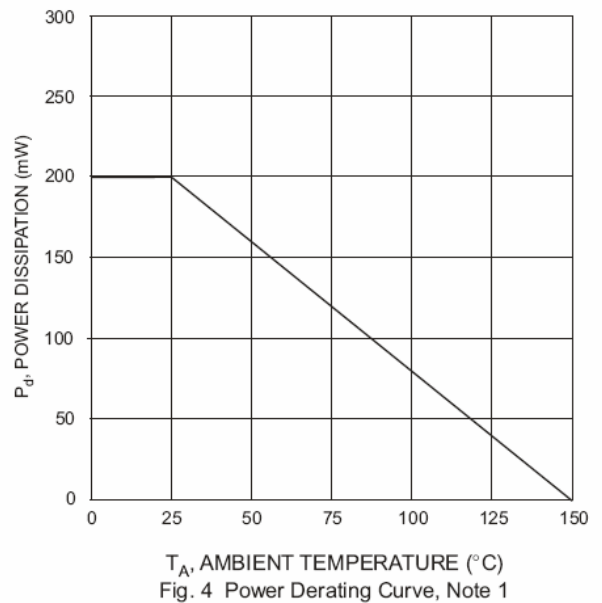


Fig. 4 Power Derating Curve, Note 1



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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