



Micro Commercial Components



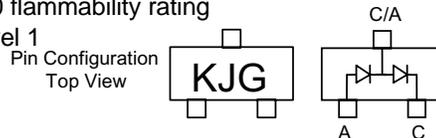
Micro Commercial Components
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 CA 91311
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BAV99WT

200mW 75Volt Plastic-Encapsulate Diode

Features

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



Maximum Ratings

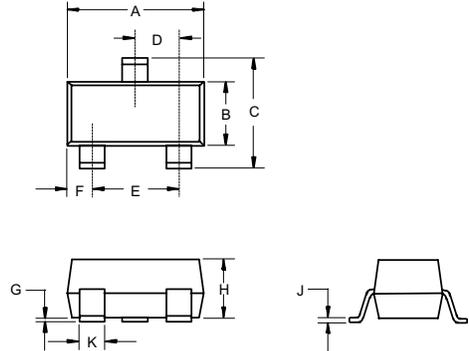
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance: 625 °C/W Junction to Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V _R	75V	
Average Rectified Output Current	I _O	150mA	
Non-Repetitive Peak Forward Surge Current	I _{FSM}	2A 1A	@1us @1s
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	2.5µA	V _R =75Volts T _J = 25°C
Typical Junction Capacitance	C _J	2.0pF	Measured at 1.0MHz, V _R =0V
Reverse Recovery Time	T _{rr}	4nS	I _F =10mA V _R = 0V R _L =100Ω

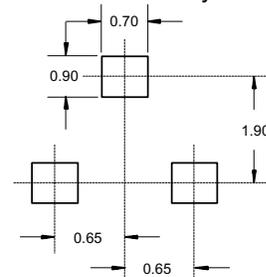
*Pulse test: Pulse width 300 µsec, Duty cycle 2%

SOT-323



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

Suggested Solder Pad Layout



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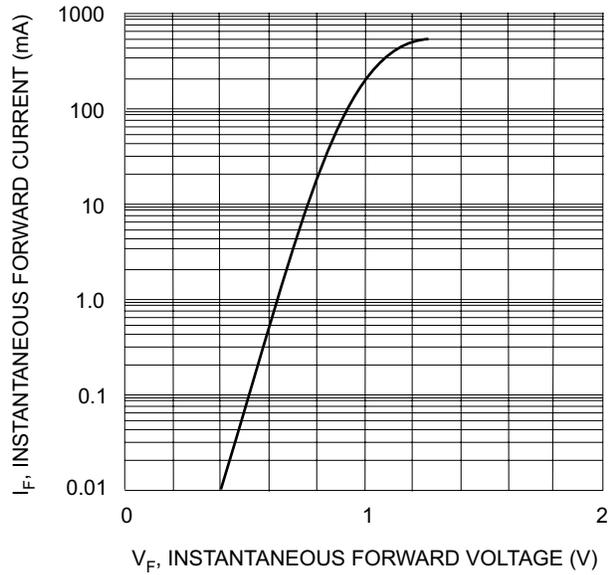


Fig. 1 Forward Characteristics

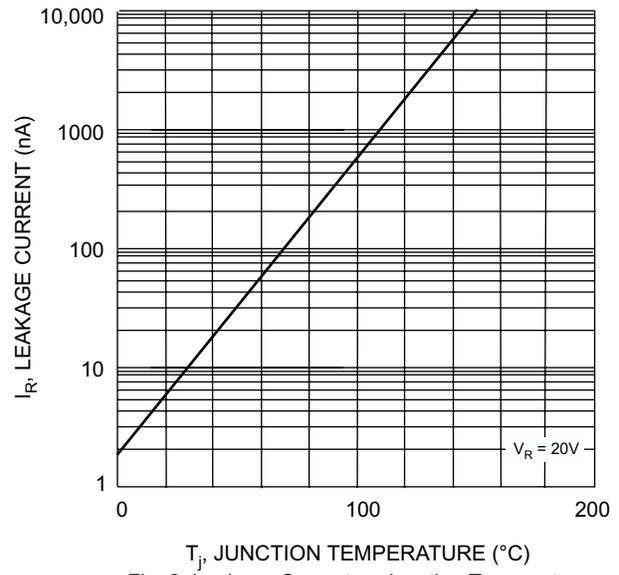


Fig. 2 Leakage Current vs Junction Temperature



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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