

**Micro Commercial Components** 



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## Features

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



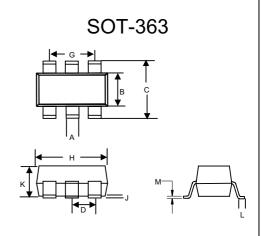
- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

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

Reverse Voltage	V <sub>R</sub>	75V	
Average Rectified	I <sub>0</sub>	150mA	
Output Current			
Power Dissipation	P <sub>TOT</sub>	200mW	
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	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 <sub>R</sub>	2.5uA 0.025uA	VR=75V VR=20V
Typical Junction Capacitance	CJ	2.0pF	Measured at 1.0MHz, V <sub>R</sub> =0V
Reverse Recovery Time	Trr	4nS	$I_{F}=I_{R}=10\text{mA}$ Irr = 0.1*I <sub>R</sub> R <sub>c</sub> =100Ω

# 200mW 75Volt Plastic-Encapsulate Diode

**BAV99BRW** 



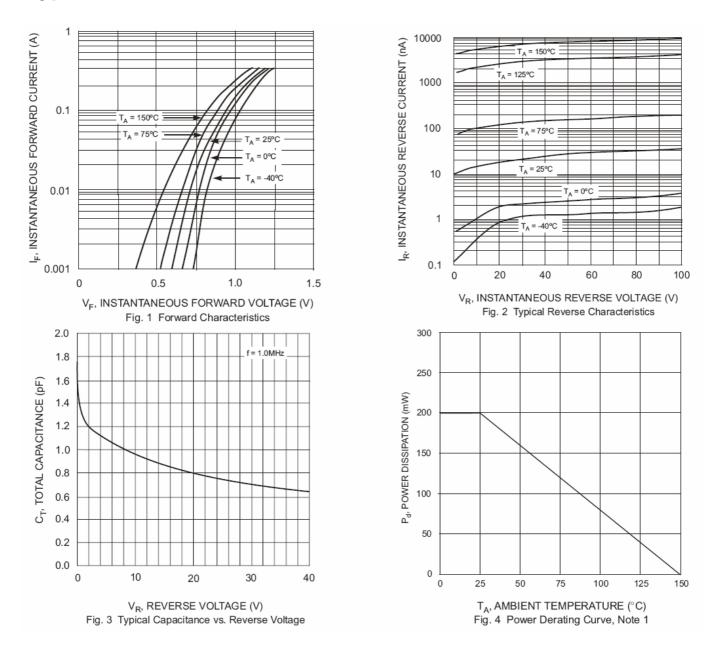
DIMENSIONS							
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.006	.014	0.15	0.35			
В	.045	.053	1.15	1.35			
С	.085	.096	2.15	2.45			
D	.026		0.65Nominal				
G	.047	.055	1.20	1.40			
Н	.071	.087	1.80	2.20			
J		.004		0.10			
К	.035	.043	0.90	1.10			
L	.010	.018	0.26	0.46			
М	.003	.006	0.08	0.15			

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**Typical Characteristics** 

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### **Ordering Information :**

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

### **\*\*\*IMPORTANT NOTICE\*\*\***

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### \*\*\*LIFE SUPPORT\*\*\*

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

### \*\*\*CUSTOMER AWARENESS\*\*\*

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

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