

**Micro Commercial Components** 



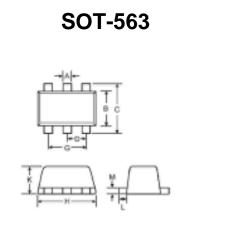
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

# BAS16V

## Features

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Lead Free Plating
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

## 150mW Switching Diodes



## Maxim um Ratings

Symbol	Rating	Rating	Unit
V <sub>RM</sub>	Non-Repetitive Peak Reverse Voltage	100	V
V <sub>RRM</sub>	Peak Repetitive Reverse Voltage		
V <sub>RWM</sub>	Working Peak Reverse Voltage	75	V
VR	DC Blocking Voltage		
lo	Average Rectified Output Current	200	mA
R ₀ JA	Thermal Resistance Junction to Ambient	833	°C/W
PD	Power dissipation	150	mW
TJ	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	-65 to +150	°C

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

Symbol	Parameter	Min	Max	Test Conditions		
V <sub>(BR)</sub>	Reverse Breakdown Voltage	75V		I <sub>R</sub> =100 μ A		
I <sub>R</sub>	Reverse Voltage Leakage Current		25nA 1 µ A	V <sub>R</sub> =20V V <sub>R</sub> =75V		
V <sub>F</sub>	Forward Voltage		715mV 855mV 1000mV 1250mV	$I_F=1mA$ $I_F=10mA$ $I_F=50mA$ $I_F=150mA$		
CT	Total Capacitance		2pF	V <sub>R</sub> =0, f=1MHZ		
t <sub>rr</sub>	Reverse Recovery Time		4ns	Irr=1mA,I <sub>R</sub> =I <sub>F</sub> =10mA, R <sub>L</sub> =100 Ω		

DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.006	.011	0.15	0.30		
В	.043	.049	1.10	1.25		
С	.061	.067	1.55	1.70		
D	.02	0	0.	50		
G	.035	.043	0.90	1.10		
Н	.059	.067	1.50	1.70		
K	.022	.023	0.56	0.60		
L	.004	.011	0.10	0.30		
М	.004	.007	0.10	0.18		

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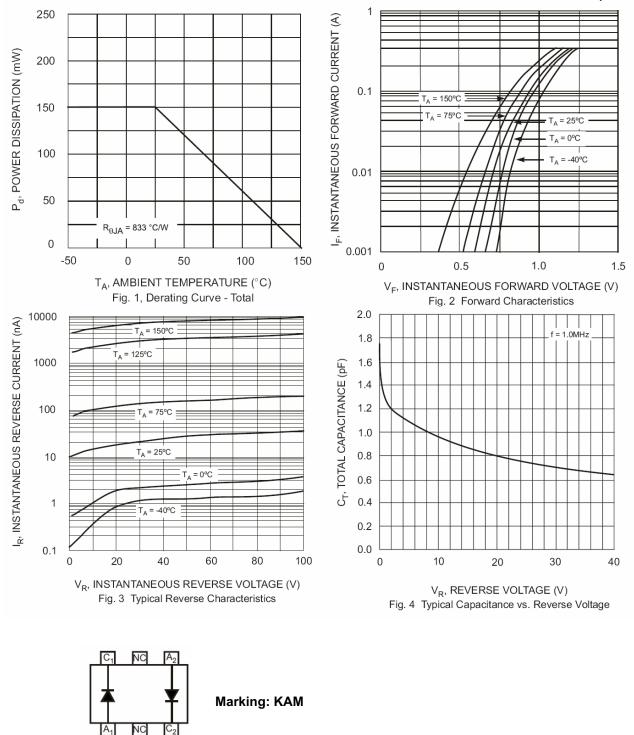
### **Revision:** A

Downloaded from Elcodis.com electronic components distributor

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## **Ordering Information :**

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

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