

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth

CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

BAS16W

High Speed Switching Diode 350mW

Features

- High Conductance
- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
 Lead Free Finish/RoHS Compliant ("P" Suffix
- designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Mechanical Data

- Marking: A6/T4
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Polarity: Indicated by Cathode Band

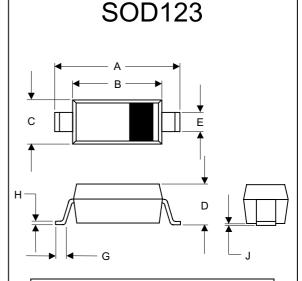
Maximum Ratings @ 25°C Unless Otherwise Specified

Characteristic	Symbol	Value	Unit
Non-Repetitive Peak Reverse Volt.	V _{RM}	85	V
Peak Repetitive Reverse Voltage	VRRM		
Working Peak Reverse Voltage	V_{RWM}	75	V
DC Blocking Voltage	V_R		
RMS Reverse Voltage	$V_{R(RMS)}$	53	V
Forward Continuous Current(Note1)	Іғм	200	mA
Average Rectified Output Current	lo	100	mA
Non-Repetitive Peak @ t<=1.0s Forward Surge Current @ t=10us	lгsм	2 1	A A
Power Dissipation(Note 1)	Pd	350	mW
Thermal Resistance(Note 1)	R	315	K/W
Operation/Storage Temp. Range	Tj, T _{STG}	-55 to +150	°C

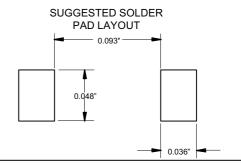
Electrical Characteristics @ 25°C Unless Otherwise Specified

				I	
		0.715		I _F =1.0mA	
Maximum Forward	V_{FM}	0.855	V	I _F =10mA	
Voltage Drop		1		I _F =50mA	
		1.25		I _F =150mA	
Maximum Peak	Ігм	1.0		V _R =75V Tj=25°C	
Reverse Current		50	uA	V _R =75V Tj=150°C	
Junction Capacitance	Cj	2	рF	V _R =0V, f=1.0MHz	
				IF=IR=10mA, Irr=0.1IR,	
Reverse Recovery Time	trr	6	ns	R _L =100 OHM	

Notes: 1. Valid provided that terminals are kept at ambient temperature



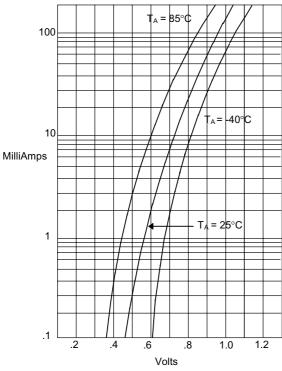
	DIMENSIONS					
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
Α	.140	.152	3.55	3.85		
В	.100	.112	2.55	2.85		
С	.055	.071	1.40	1.80		
D		.053		1.35		
Е	.012	.031	0.30	.78		
G	.006		0.15			
Н		.01		.25		
J		.006		.15		



BAS16W



Figure 1
Typical Forward Characteristics

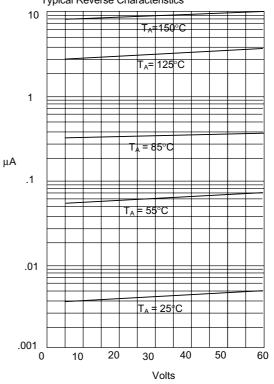


Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

Figure 2

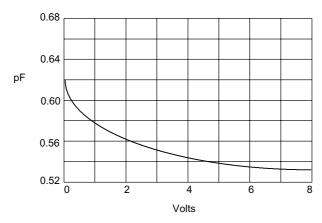
Micro Commercial Components

Typical Reverse Characteristics



Instantaneous Reverse Current - MicroAmperes/ersus Reverse Voltage - Volts

Figure 3 Diode Capacitance



Diode Capacitance - pFversus Reverse Voltage - Volts



Micro Commercial Components

Ordering Information:

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

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

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.

AMEYA360 Components Supply Platform

Authorized Distribution Brand:

























Website:

Welcome to visit www.ameya360.com

Contact Us:

> Address:

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

> Sales:

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

Customer Service :

Email service@ameya360.com

Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com