



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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BAT46W

200mW
Schottky Diode
100 Volts

Features

- High breakdown Voltage
- Low turn-on voltage
- Guard ring construction for transient protection
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Mechanical Data

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: S9/L6

Maximum Ratings

Symbol	Rating	Rating	Unit
V _{RRM}	Repetitive Peak Reverse Voltage	100	V
I _F	Forward DC Current	150	mA
I _o	Average Rectified Output Current at	75	mA
P _D	Power Dissipation	200	mW
R _{JA}	Thermal Resistance Junction to Ambient Air ⁽¹⁾	500	°C/W
T _J	Junction Temperature	-55 to +125	°C
T _{STG}	Storage Temperature	-55 to +150	°C

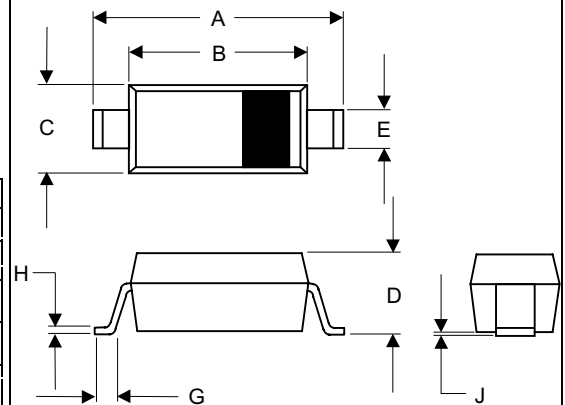
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
V _{(BR)R}	Reverse Breakdown Voltage (I _R =100uAdc)	100	---	---	V
V _F	Forward Voltage I _F =0.1mAdc I _F =10mAdc I _F =250mAdc	---	---	0.25 0.45 1	V
I _R	Leakage Current (V _R =10Vdc) (V _R =50Vdc) (V _R =75Vdc)	---	---	0.8 2 5	uA
C _T	Total Capacitance (V _R =0, f=1.0MHz) (V _R =1.0, f=1.0MHz)	---	10.0 6.0	---	pF pF

Notes:

1. Valid provided that electrodes are kept at ambient temperature

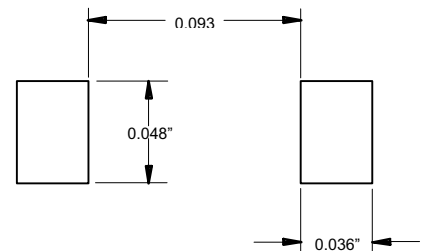
SOD123



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.152	3.55	3.85	
B	.100	.112	2.55	2.85	
C	.055	.071	1.40	1.80	
D	----	.053	----	1.35	
E	.012	.031	0.30	0.78	
G	.006	----	0.15	----	
H	----	.01	----	0.25	
J	----	.006	----	0.15	

SUGGESTED SOLDER PAD LAYOUT



BAT46W

Typical Characteristics

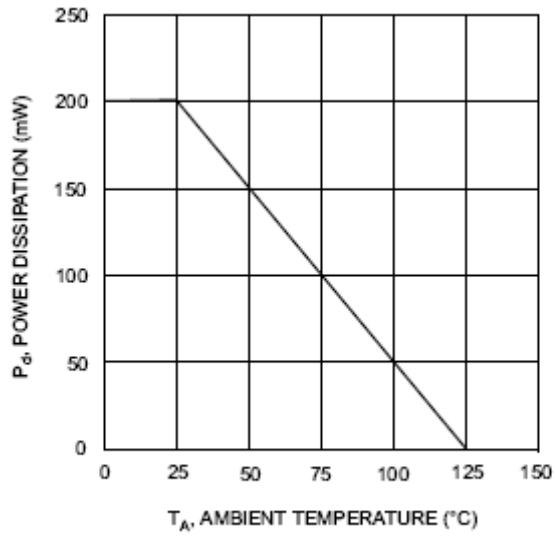


Fig.1 Power Derating Curve



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

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