



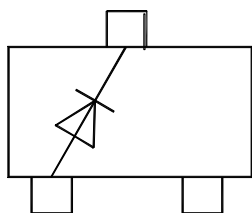
Micro Commercial Components

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

BAS16WT MMBD4148WT

Features

- Power dissipation: 200mW ($T_{amb}=25^{\circ}\text{C}$)
- Collector current: 150mA



Marking: A2/A3

Maximum Ratings

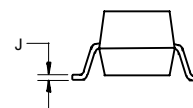
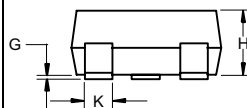
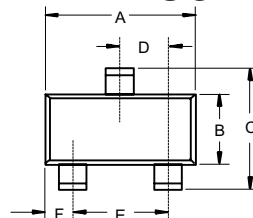
- Operating Temperature: -55°C to $+150^{\circ}\text{C}$
- Storage Temperature: -55°C to $+150^{\circ}\text{C}$
- Case Material: Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V_R	75V	$I_R=100\mu\text{A}$
Peak Forward Current	I_F	150mA	
Maximum Instantaneous Forward Voltage	V_F	0.715V 0.855 1.0V 1.25V	$I_{FM}=1\text{mA};$ $I_{FM}=10\text{mA};$ $I_{FM}=50\text{mA};$ $I_{FM}=150\text{mA};$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	1.0 μA	$V_R=75\text{Volts}$
Diode Capacitance	C_D	2pF	Measured at 1.0MHz, $V_R=0\text{V}$
Reverse Recovery Time	T_{rr}	4ns	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1I_R$

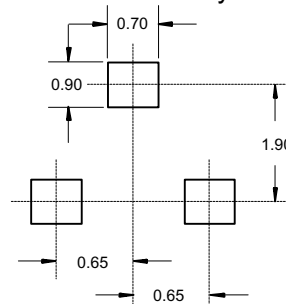
200mW Switching Diode

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



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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.

APPLICATIONS DISCLAIMER

Products offer by *Micro Commercial Components Corp.* are not intended for use in Medical, Aerospace or Military Applications.