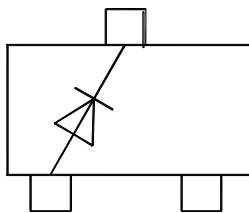


TM

# BAS16WT MMBD4148WT

## Features

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



Marking: A2, KA2, KT1

## Maximum Ratings

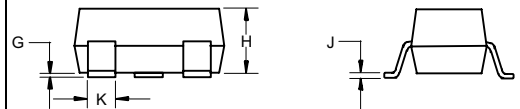
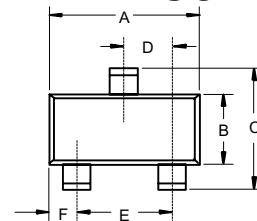
- Operating Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Storage Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

## Electrical Characteristics @ 25°C Unless Otherwise Specified

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

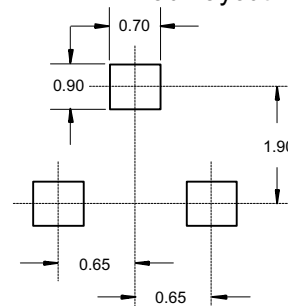
## 200mW Switching Diode

### SOT-323



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	MIN .071	MAX .087	MIN 1.80	MAX 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

■

■

■

■

■

---