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Micro Commercial Components™

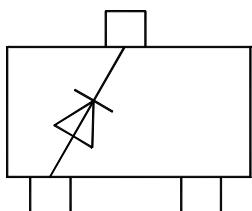


Micro Commercial Components
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**BAS16WT
MMBD4148WT**

Features

- Power dissipation: 200mW ($T_{amb}=25^{\circ}\text{C}$)
- Average Rectified Output Current: 150mA



Marking: A2, KA2, KT1

Maximum Ratings

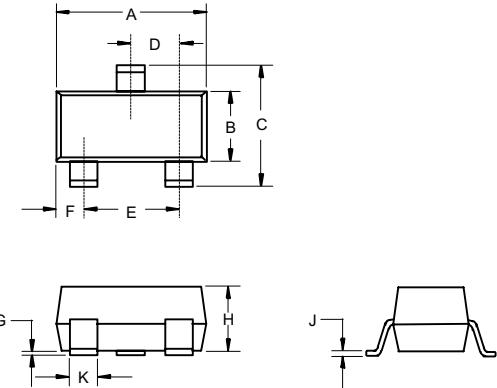
- Operating Temperature: -55°C to $+150^{\circ}\text{C}$
- Storage Temperature: -55°C to $+150^{\circ}\text{C}$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

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	$1.0\mu\text{A}$	$V_R=75\text{Volts}$
Diode Capacitance	C_D	2pF	Measured at 1.0MHz, $V_R=0\text{V}$
Reverse Recovery Time	T_{rr}	4ns	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1I_R$

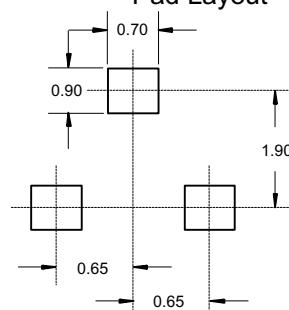
200mW Switching Diode

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





TM

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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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