

M.C.C.

Micro Commercial Components



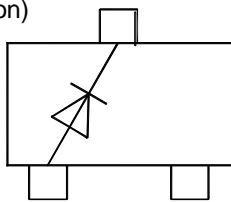
Micro Commercial Components
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**BAS16WT
 MMBD4148WT**

Features

- Power dissipation: 200mW ($T_{amb}=25^{\circ}C$)
- Collector current: 150mA
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Marking: A2/A3



200mW Switching Diode

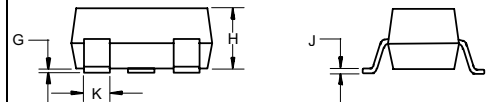
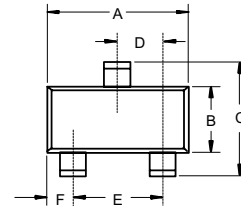
Maximum Ratings

- Operating Temperature: $-55^{\circ}C$ to $+150^{\circ}C$
- Storage Temperature: $-55^{\circ}C$ to $+150^{\circ}C$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

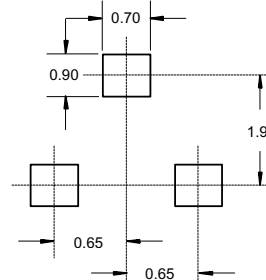
Reverse Voltage	V_R	75V	$I_R=100 \mu A$
Peak Forward Current	I_F	150mA	
Maximum Instantaneous Forward Voltage	V_F	0.715V 0.855 1.0V 1.25V	$I_{FM}=1mA;$ $I_{FM}=10mA;$ $I_{FM}=50mA;$ $I_{FM}=150mA;$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	1.0 μA	$V_R=75Volts$
Diode Capacitance	C_D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

SOT-323



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	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





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Ordering Information :

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

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