



# BAS16TW MMBD4148TW

## Features

- Power dissipation: 200mW ( $T_{amb}=25^{\circ}C$ )
- Forward current: 150mA
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

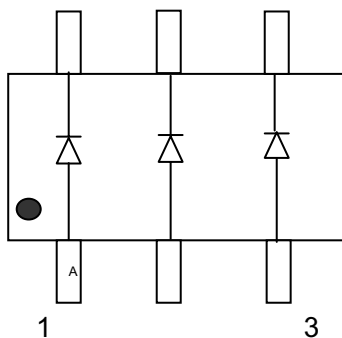
## Maximum Ratings

- Operating Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Storage Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$

### 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	$I_R$	$1.0 \mu A$ $0.025 \mu A$	$V_R=75Volts$ $V_R=20Volts$
Diode Capacitance	$C_D$	2pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	$T_{rr}$	4ns	$I_F=I_R=10mA,$ $R_L=100 OHM$ $I_{rr}=0.1I_R$

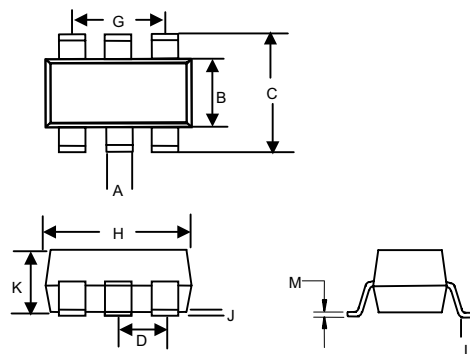
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Marking: KA2

## 200mW Switching Diode

### SOT-363



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026		0.65Nominal		
G	.047	.055	1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	



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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