



Micro Commercial Components

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

BAS16TW MMBD4148TW

Features

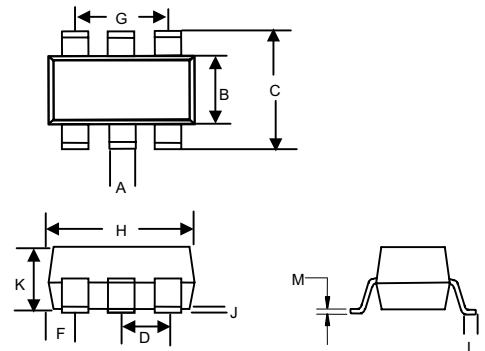
- Power dissipation: 200mW ($T_{amb}=25^{\circ}C$)
- Forward current: 150mA
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

200mW Switching Diode

Maximum Ratings

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

SOT-363

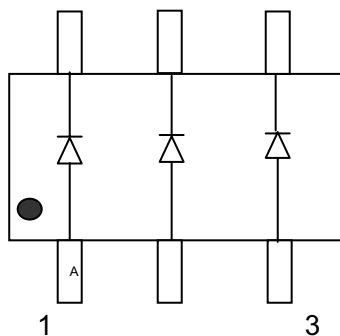


Electrical Characteristics @ 25°C Unless Otherwise Specified

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	$I_F=I_R=10mA$, $R_L=100 OHM$ $I_{rr}=0.1I_R$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.004	.012	0.10	0.30	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026		0.65Nominal		
F	.012	.016	0.30	0.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
M	.004	.016	0.10	0.25	

Marking: KA2





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Ordering Information

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