

MMBD4148CA

High Conductance Ultra Fast Diode 350mW

Features

- Surface Mount Package Ideally Suited for Automatic Insertion
- 150°C Junction Temperature
- High Conductance
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Mechanical Data

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: D6
- Weight: 0.008 grams (approx.)

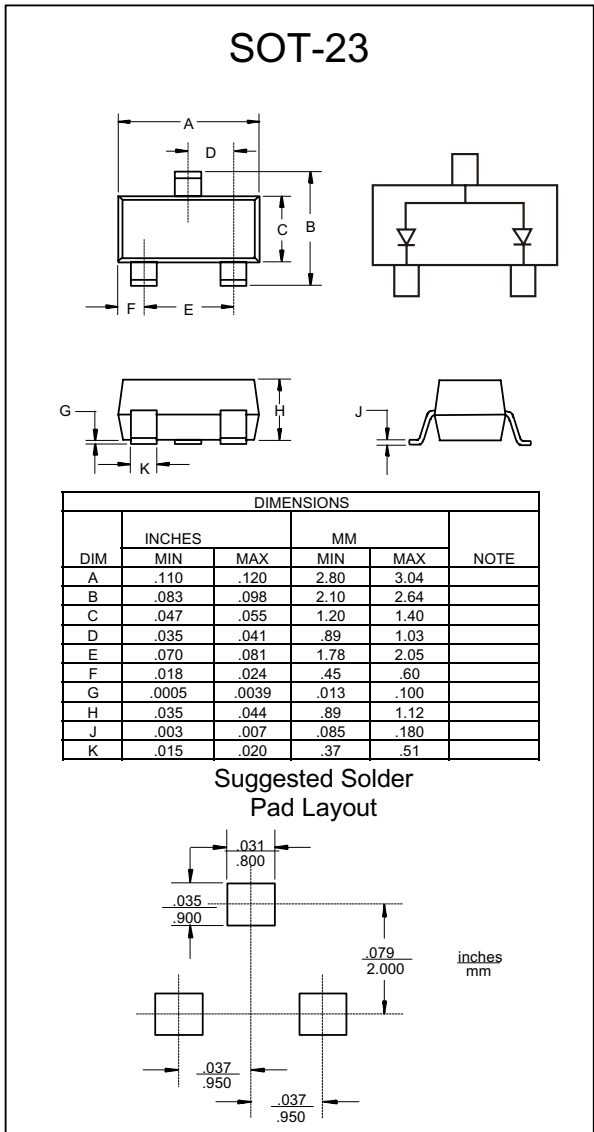
Maximum Ratings @ 25°C Unless Otherwise Specified

Characteristic	Symbol	Value	Unit
Working Inverse Voltage	V_{IV}	75	V
DC Forward Current	I_{FM}	600	mA
Average Rectified Current	$I_{F(AV)}$	200	mA
Recurrent Peak Forward Current	I_{FRM}	700	mA
Peak Forward Surge Current@ t=1.0s @ t=1.0us	I_{FSM}	1.0 2.0	A
Power Dissipation	P_d	350	mW
Thermal Resistance	R	357	°C/W
Operation & Storage Temp. Range	T_J, T_{STG}	-55 to +150	°C

Note: 1) These ratings are based on a max. junction temperature of 150 degrees C
 2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operation

Electrical Characteristics @ 25°C Unless Otherwise Specified

Charateristic	Symbol	Min	Max	Unit	Test Cond.
Breakdown Voltage	V_R	75		V	$I_R=100\mu A$
Maximum Instantaneous Forward Voltage	V_F		1.0	V	$I_F=10mA$
Maximum Instantaneous Reverse Current	I_R		25 50 5.0	nA uA uA	$V_R=20V$ $V_R=20V T_A=150^\circ C$ $V_R=75V$
Junction Capacitance	C_j		4	pF	$V_R=0V, f=1.0MHz$
Reverse Recovery Time	t_{rr}		4	ns	$I_F=10mA, V_R=6.0V,$ $I_{RR}=1.0mA,$ $R_L=100 OHM$





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Ordering Information :

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

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