

Micro Commercial Components

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MMBD4148CA

High Conductance Ultra Fast Diode 350mW

Features

- Surface Mount Package Ideally Suited for Automatic Insertion
- 150°C Junction Temperature
- High Conductance

Mechanical Data

- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Marking: D6
- Weight: 0.008 grams (approx.)

Maximum Ratings @ 25°C Unless Otherwise Specified

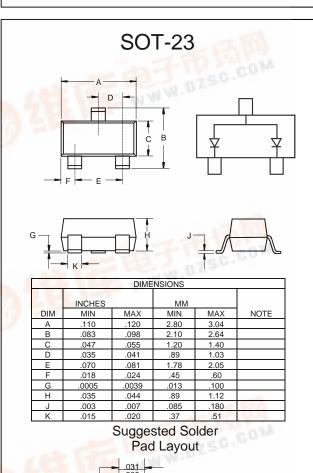
Symbol	Value	Unit
Vıv	75	V
I _{FM}	600	mA
I _{F(AV)}	200	mA
I _{FRM}	700	mA
lгsм	1.0 2.0	А
P_d	350	mW
R	357	°C/W
Tj, T _{STG}	-55 to +150	°C
	VIV IFM IF(AV) IFSM Pd R	VIV 75 IFM 600 IF(AV) 200 IFRM 700 IFSM 2.0 Pd 350 R 357

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 =100uA
Maximum Instantaneous Forward Voltage	V_{F}		1.0	V	I _F =10mA
Maximum Instantaneous Reverse Current	I _R	- 14	25 50 5.0	uA	V _R =20V V _R =20V T _A =150°C V _R =75V
Junction Capacitance	C _i		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



inches mm





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