

Micro Commercial Components

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### 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	VIV	75	V
DC Forward Current	I <sub>FM</sub>	600	mA
Average Rectified Current	I <sub>F(AV)</sub>	200	mA
Recurrent Peak Forward Current	I <sub>FRM</sub>	700	mA
Peak Forward Surge Current@ t=1.0s @ t=1.0us	Ігѕм	1.0 2.0	А
Power Dissipation	Pd	350	mW
Thermal Resistance	R	357	°C/W
Operation & Storage Temp. Range	Tj, T <sub>stg</sub>	-55 to +150	°C

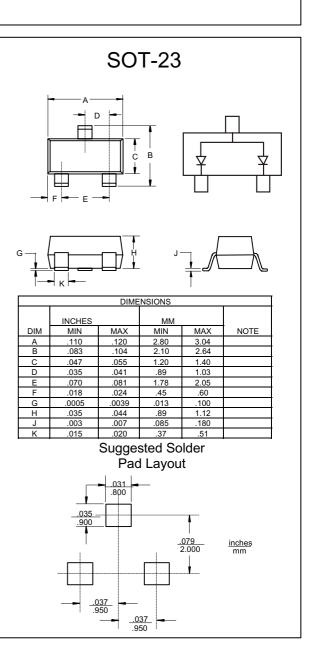
Note: 1) These ratings are based on a max junction temperature of 150 degrees C
2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operation

### Electrical Characteristics @ 25°C Unless Otherwise Specified

Charateristic	Symbol	Min	Max	Unit	Test Cond.
Breakdown Voltage	V <sub>R</sub>	75		V	I <sub>R</sub> =100uA
Maximum Instantaneous Forward Voltage	$V_{F}$		1.0	V	I <sub>F</sub> =10mA
Maximum			25	nA	V <sub>R</sub> =20V
Instantaneous Reverse	I <sub>R</sub>		50	uA	V <sub>R</sub> =20V T <sub>A</sub> =150°C
Current			5.0	uA	V <sub>R</sub> =75V
Junction Capacitance	Cj		4	pF	V <sub>R</sub> =0V, f=1.0MHz
Reverse Recovery Time	t <sub>rr</sub>				I <sub>F</sub> =10mA, V <sub>R</sub> =6.0V,
			4	ns	I <sub>RR</sub> =1.0mA,
					R <sub>L</sub> =100 OHM

# MMBD4148CA

# High Conductance Ultra Fast Diode 350mW



## www.mccsemi.com



### **Ordering Information :**

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

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