

**Micro Commercial Components** 



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# **MMBD4148SE**

## **Features**

- Surface Mount Package Ideally Suited for Automatic Insertion
- 150°C Junction Temperature
- 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: D4
- Weight: 0.008 grams (approx.)

### Maximum Ratings @ 25°C Unless Otherwise Specified

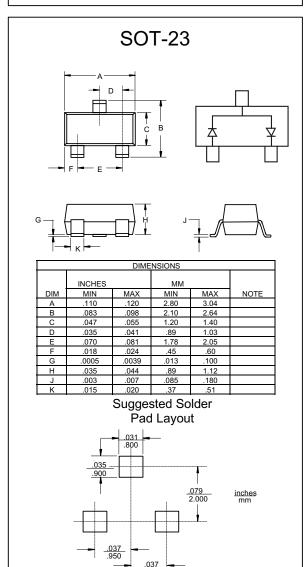
Characteristic	Symbol	Value	Unit
Working Inverse Voltage	VIV	75	V
DC Forward Current	$I_{FM}$	600	mA
Average Rectified Current	$I_{F(AV)}$	200	mA
Recurrent Peak Forward Current	I <sub>FRM</sub>	700	mA
Peak Forward Surge Current@ t=1.0s @ t=1.0us	lғsм	1.0 2.0	Α
Power Dissipation	$P_d$	350	mW
Thermal Resistance	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	$V_R$	75		V	I <sub>R</sub> =5uA
Maximum Instantaneous Forward Voltage	$V_{F}$		1.0	٧	I <sub>F</sub> =10mA
Maximum			25	117 1	V <sub>R</sub> =20V
Instantaneous Reverse	$I_R$		50	uA	V <sub>R</sub> =20V T <sub>A</sub> =150°C
Current			5.0	uA	V <sub>R</sub> =75V
Junction Capacitance	C <sub>i</sub>		4	pF	V <sub>R</sub> =0V, f=1.0MHz
Daviera Dassvery					I <sub>F</sub> =10mA, V <sub>R</sub> =6.0V,
Reverse Recovery Time	t <sub>rr</sub>		4	ns	I <sub>RR</sub> =1.0mA,
rime					R <sub>L</sub> =100 OHM

# High Conductance Ultra Fast Diode 350mW





### **Ordering Information:**

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

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