

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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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	Vıv	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	lғsм	1.0 2.0	А
Power Dissipation	P_d	350	mW
Thermal Resistance	R	357	°C/W
Operation & Storage Temp. Range	Tj, 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

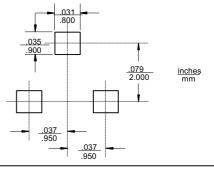
Charateristic	Symbol	Min	Max	Unit	Test Cond.
Breakdown Voltage	V_R	75		>	I _R =5uA
Maximum Instantaneous Forward Voltage	V_{F}		1.0	>	I _F =10mA
Maximum			25	nA	V _R =20V
Instantaneous Reverse	I_R		50	uA	V _R =20V T _A =150°C
Current			5.0	uA	V _R =75V
Junction Capacitance	C _j		4	pF	V _R =0V, f=1.0MHz
Poverse Possvery	-				I _F =10mA, V _R =6.0V,
Reverse Recovery Time	t _{rr}		4	ns	I _{RR} =1.0mA,
					R _L =100 OHM

High Conductance Ultra Fast Diode 350mW

SOT-23

DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.104	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
Е	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
Η	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout





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Ordering Information:

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

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