

# MBR12150LPS

## 12 Amp Low VF Schottky Barrier Rectifier 150 Volts

### Features

- Peak Forward Current: 12A
- Surge Current: 200A
- Forward Voltage: 0.82V
- Reverse Current: 30uA
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

### Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

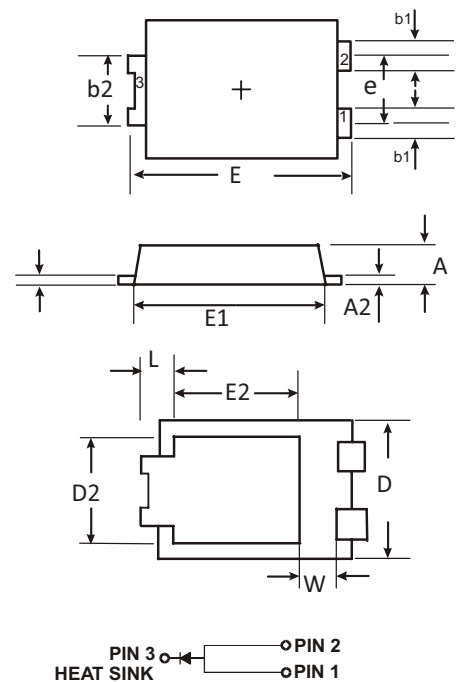
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR12150LPS	150V	105V	150V

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

Average Forward Current	$I_{F(AV)}$	12A		
Peak Forward Surge Current	$I_{FSM}$	200A		8.3ms, half sine
Forward Voltage	$V_F$	Min.	Typ.	Max.
		---	---	0.82V
$I_F=12A \quad T_J=25^\circ C$				
Reverse Current	$I_R$	---	---	30uA
$T_J=25^\circ C$				

Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

### TO-277B



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.039	.047	1.00	1.20	
A2	.006	.017	0.15	0.43	
b1	.030	.041	0.75	1.05	
b2	.065	.077	1.65	1.95	
D	.148	.169	3.75	4.30	
D2	.110	.126	2.80	3.20	
E	.250	.264	6.35	6.70	
e	.065	.077	1.65	1.95	
E1	.207	.228	5.25	5.80	
E2	.120	.142	3.05	3.60	
L	.028	.051	0.70	1.30	
W	.031	.056	0.80	1.42	



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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