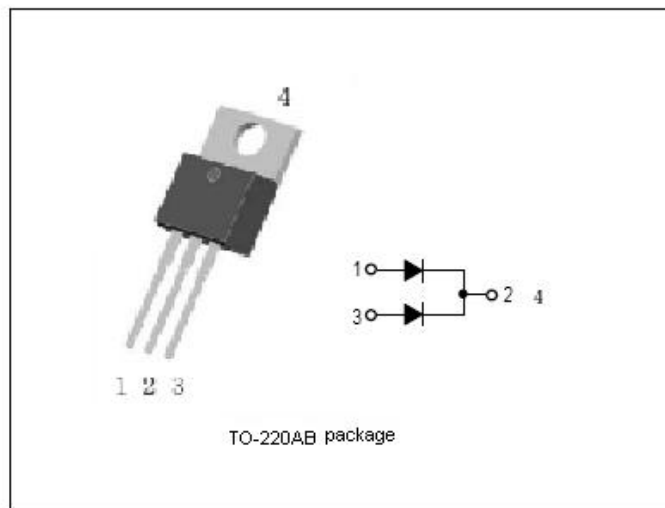


Schottky Barrier Rectifier**MBRF20150****FEATURES**

- Low power loss, high efficiency.
- Multilayer Metal -Silicon Potential Structure.
- Beautiful High Temperature Character.
- Have Over Voltage protect loop, high reliability.

MECHANICAL CHARACTERISTICS

- Be optimized for ultra-low forward voltage drop to maximize efficiency in Power Supply applications.

**ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)**

SYMBOL	PARAMETER	VALUE	UNIT
V_{RRM}	DC Blocking Voltage	150	V
$I_{F(AV)}$	Average Rectified Forward Current (Rated VR , Square Wave, 20 KHz) @ $T_A = 130^{\circ}\text{C}$	20	A
I_{FSM}	Nonrepetitive Peak Surge Current 8.3 ms single half-sine-wave Superimposed on rated load (JEDEC method)	150	A
T_J	Junction Temperature	-40~150	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range	-40~150	$^{\circ}\text{C}$

Schottky Barrier Rectifier

MBRF20150

ELECTRICAL CHARACTERISTICS(Pulse Test: Pulse Width≤300 μ s,Duty Cycle≤2%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _F	Maximum Instantaneous Forward Voltage	I _F = 10A ; T _C = 25℃	0.86	V
V _F	Maximum Instantaneous Forward Voltage	I _F = 10A ; T _C =125℃	0.75	V

