

Schottky Barrier Rectifier

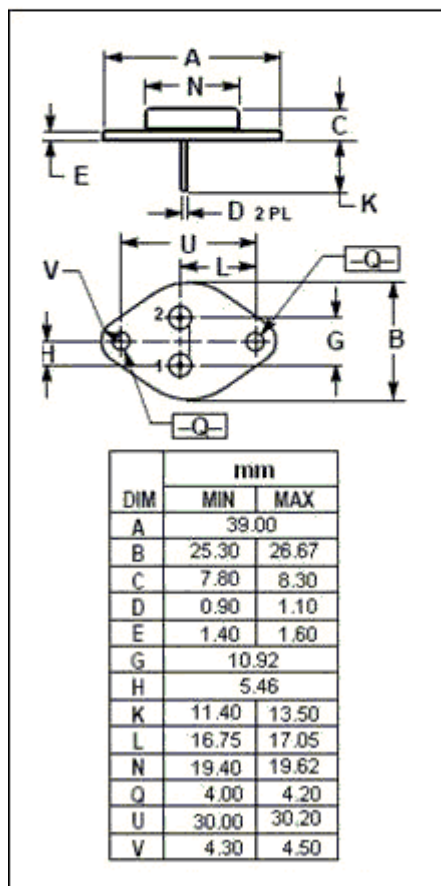
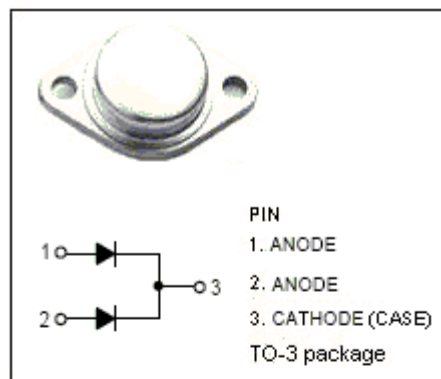
MBR3065

FEATURES

- Dual Rectifier Conduction, Positive Center Tap
- Low Power Loss/High Efficiency
- High Current Capability
- High Surge Capacity
- Guarding for Overvoltage protection
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{RRM}	DC Blocking Voltage	65	V
$I_{F(AV)}$	Average Rectified Forward Current $T_C=105^{\circ}\text{C}$	30	A
I_{FSM}	Nonrepetitive Peak Surge Current 8.3ms single half sine-wave superimposed on rated load conditions	275	A
T_J	Junction Temperature	170	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range	-55~170	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS(Pulse Test: Pulse Width $\leq 300\mu\text{s}$, Duty Cycle $\leq 2\%$)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Maximum Instantaneous Forward Voltage	$I_F=15\text{A}$; $T_C=25^{\circ}\text{C}$	0.79	V
I_R	Maximum Instantaneous Reverse Current	$V_R=65\text{V}$, $T_C=25^{\circ}\text{C}$	20	μA