

Schottky Barrier Rectifier

15TQ060

FEATURES

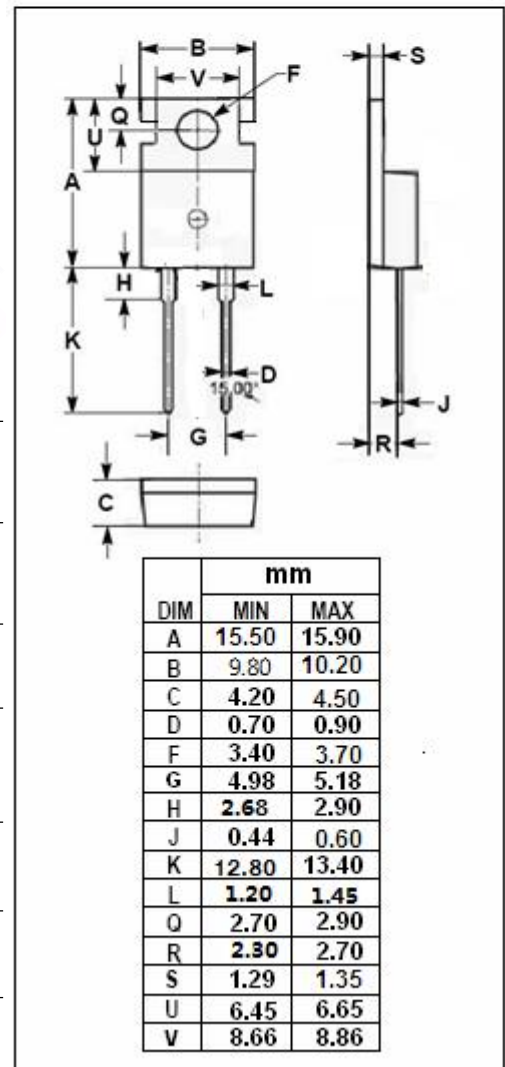
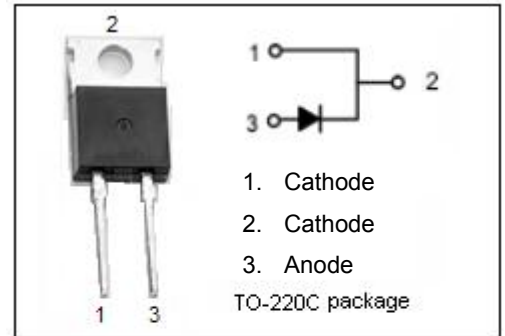
- Low Forward Voltage
- High Efficiency
- Low leakage current
- High frequency switching power supply
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Switching power supplies
- Converters

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{RWM} V _R	Working Peak Reverse Voltage DC Blocking Voltage	60	V
I _{F(AV)}	Average Rectified Forward Current	15	A
I _{FSM}	Non-repetitive Peak Surge Current (10ms sine or 6ms Rect.pulse)	260	A
T _J	Junction Temperature	-55~150	°C
T _{stg}	Storage Temperature Range	-55~150	°C



Schottky Barrier Rectifier**15TQ060****THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	3.25	$^{\circ}C/W$

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

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Forward Voltage Drop	$I_F = 15A ; T_C = 25^{\circ}C$ $I_F = 30A ; T_C = 25^{\circ}C$	0.62 0.82	V
I_R	Reverse Leakage Current	$V_R = 60V, T_C = 25^{\circ}C$ $V_R = 60V, T_C = 125^{\circ}C$	0.8 45	mA