

Schottky Barrier Rectifier

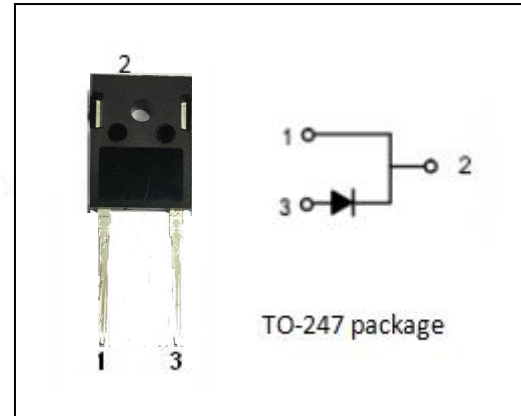
APT60S20B

FEATURES

- Ultrafast Recovery Times
- Low forward voltage, high efficiency
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Free Wheeling Diode
- Uninterruptible Power Supply
- High Speed Rectifiers



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

SYMBOL	PARAMETER	VALUE	UNIT
V_{RRM} V_{RWM} V_R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	200	V
$I_{F(AV)}$	Average Rectified Forward Current	75	A
I_{FSM}	Non-repetitive Peak Surge Current	600	A
T_J	Junction Temperature	-55~150	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS($T_a=25^{\circ}\text{C}$) (Pulse Test: Pulse Width=300 μs , Duty Cycle $\leq 2\%$)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Maximum Instantaneous Forward Voltage	$I_F = 60\text{A}$; $T_J = 25^{\circ}\text{C}$	0.9	V
I_R	Maximum Instantaneous Reverse Current	$V_R = 200\text{V}$; $T_J = 25^{\circ}\text{C}$	1	mA

