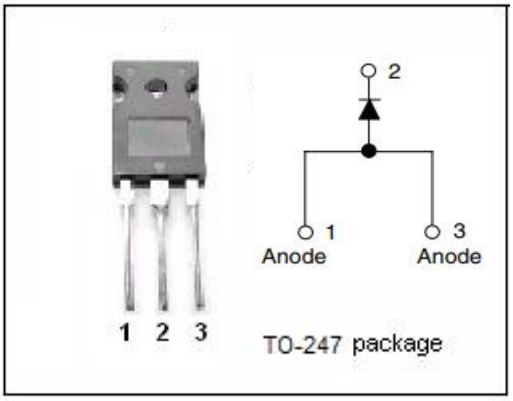
Ultrafast Rectifier 60APU02

FEATURES

- Guarding for over voltage protection
- Dual rectifier construction,positive center tap
- Low forward voltage,high efficiency
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

- These devices are ideally suited for HF welding, power converters and other applications where switching losses are not significant portion of the total losses.

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

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	60	A
I_{FSM}	Non-repetitive Peak Surge Current	800	A
T_J	Max.Junction Temperature	175	℃
T_{stg}	Storage Temperature Range	-55~175	℃

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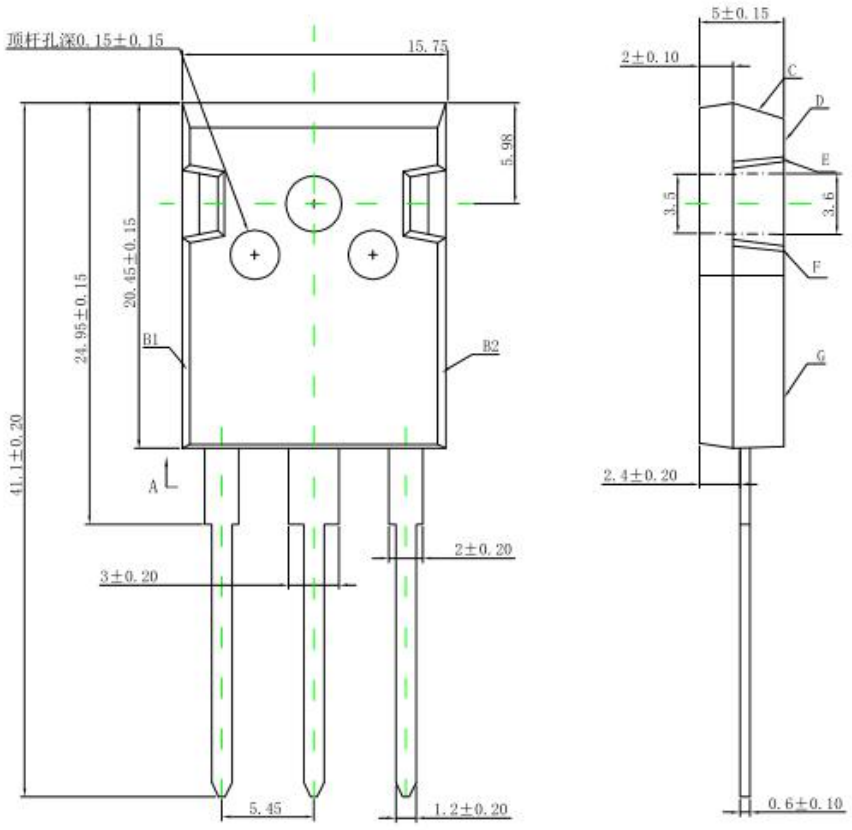
ELECTRICAL CHARACTERISTICS(T_a=25℃) (Pulse Test: Pulse Width=300 μ s,Duty Cycle≤2%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Maximum Instantaneous Forward Voltage	I_F= 60A; Tj=25℃ I_F= 60A; Tj=175℃	1.08 0.88	V
I_R	Maximum Instantaneous Reverse Current	V_R=V_R Rated; Tj=25℃ V_R=V_R Rated; Tj=150℃	50 2000	μ A
t_{rr}	Maximum Reverse Recovery Time	IF =1.0A;	35	ns

DIMENSIONAL DRAWING



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