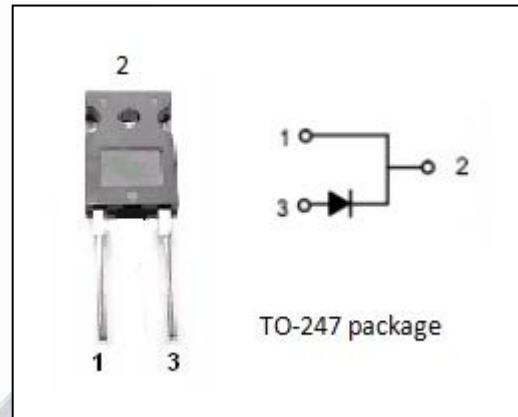


Ultrafast Rectifier
60EPU04
FEATURES

- 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°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{RRM} V _{VRWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	400	V
I _{F(AV)}	Average Rectified Forward Current	60	A
I _{FSM}	Non-repetitive Peak Surge Current	600	A
T _J	Max.Junction Temperature	175	°C
T _{stg}	Storage Temperature Range	-55~175	°C

ELECTRICAL CHARACTERISTICS(T_a=25°C) (Pulse Test: Pulse Width=300 μs, Duty Cycle≤2%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _F	Maximum Instantaneous Forward Voltage	I _F = 60A; T _j =25°C I _F = 60A; T _j =175°C	1.25 1.03	V
I _R	Maximum Instantaneous Reverse Current	V _R =V _R Rated; T _j =25°C V _R =V _R Rated; T _j =150°C	50 2	μA mA
t _{rr}	Maximum Reverse Recovery Time	I _F =1A	60	ns