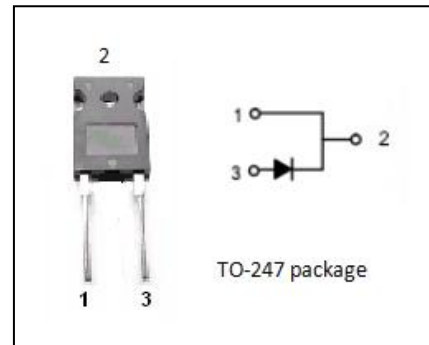


**Ultrafast Rectifier****FDRW35S60L****FEATURES**

- Guarding for over voltage protection
- 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<sub>a</sub>=25°C)**

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>RRM</sub>	Peak Repetitive Reverse Voltage	600	V
I <sub>F(AV)</sub>	Average Rectified Forward Current	35	A
I <sub>FSM</sub>	Non-repetitive Peak Surge Current	140	A
T <sub>J</sub>	Max.Junction Temperature	150	°C
T <sub>stg</sub>	Storage Temperature Range	-40~150	°C

**ELECTRICAL CHARACTERISTICS(T<sub>a</sub>=25°C) (Pulse Test: Pulse Width=300 μs,Duty Cycle≤2%)**

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V <sub>F</sub>	Maximum Instantaneous Forward Voltage	I <sub>F</sub> = 35A	2.6	V
I <sub>R</sub>	Maximum Instantaneous Reverse Current	V <sub>R</sub> =V <sub>RRM</sub>	250	μA
t <sub>rr</sub>	Maximum Reverse Recovery Time	I <sub>F</sub> =1A	36	ns

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