



**Features:**

- Super fast recovery
- Max junction temperature to 175°C
- Low forward voltage drop

**I<sub>F(AV)</sub>      400A**

**V<sub>RRM</sub>        400V**

**I<sub>FSM</sub>        3.5 KA**

**I<sup>2</sup>t            61 10<sup>3</sup>A<sup>2</sup>S**

**Typical Applications:**

- Inverter Welding Power Supply
- Power Supply for Telecommunication
- Various Switching Power Supply

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T <sub>j</sub> (°C)	VALUE			UNIT
				Min	Type	Max	
I <sub>F(AV)</sub>	Mean forward current	Per Device (T <sub>c</sub> =100°C)	150			400	A
		Per Leg (T <sub>c</sub> =100°C)				200	A
I <sub>F(RMS)</sub>	Mean forward current		150			628	A
V <sub>RRM</sub>	Repetitive peak voltage	tp=10ms V <sub>RSM</sub> = V <sub>RRM</sub>	150			400	V
I <sub>RRM</sub>	Repetitive peak current	@V <sub>RRM</sub>	25			100	μ A
			150			1000	μ A
I <sub>FSM</sub>	Surge forward current	Per Leg , 10ms half sine wave	25			3.5	kA
I <sup>2</sup> t	I <sup>2</sup> t for fusing coordination					61	A <sup>2</sup> s*10 <sup>3</sup>
T <sub>stg</sub>	Stored temperature			-40		125	°C
R <sub>th(j-c)</sub>	Thermal resistance Junction to case	Per Leg , side cooled				0.15	°C /W
V <sub>FM</sub>	Peak forward voltage	Per Leg @ I <sub>FM</sub> =200A	25			1.15	V
trr	Recovery Time	I <sub>FM</sub> =200A, V <sub>R</sub> =200V, di/dt=-100A/ μ s	25		45	50	ns
			100		120		ns
F <sub>m</sub>	Terminal connection torque(M6)					6.0	N·m
	Mounting torque(M6)					6.0	N·m
W <sub>t</sub>	Weight					96	g
Outline	235H3						

**Outline:**

