



Features:

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

I_{F(AV)} 400A

V_{RRM} 400V

I_{FSM} 3.5 KA

I²t 61 10³A²S

Typical Applications:

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

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

Outline:

