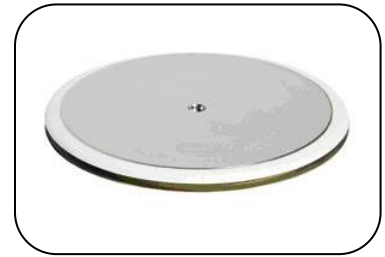


Features

- Optimized for high current rectifiers
- Very low threshold voltage and slop resistance
- Very low thermal resistance

$I_{F(AV)}$	9200 A
V_{RRM}	200~400 V
I_{FSM}	60 kA
I^2t	17049 10³A²S



Typical Applications

- High current application For Welders up to 2000Hz
- Electrode plating

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Double side cooled, T _C =85°C	175			9200	A
V_{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	175	200		400	V
I_{RRM}	Repetitive peak current	at V _{RRM}	175			50	mA
I_{FSM}	Surge forward current	10ms half sine wave	175			60	kA
I^2t	I ² T for fusing coordination	V _R =0V _{RRM}				17049	10 ³ A ² s
V_{FO}	Threshold voltage	I _{FM} =7000-21000A	175			0.78	V
r_F	Forward slop resistance					0.031	mΩ
V_{FM}	Max Peak on-state voltage	I _{FM} =6000A	25			1.00	V
Q_{rr}	Recovery charge	I _{FM} =1000A, tp=2000μs, di/dt=-20A/μs, V _R =20V	175			300	μC
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine double side cooled				0.006	°C/W
$R_{th(c-h)}$	Thermal resistance case to heat sink					0.003	
F_m	Mounting force			20	30	40	kN
T_{stg}	Stored temperature			-40		175	°C
W_t	Weight				100		g
Outline	P62						

