SYMBOL	CHARACTERISTIC	TEST CONDI TIONS	T_j(℃)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			200	A
$I_{F(RMS)}$	RMS forward current	Single side cooled,T_C=100°C	150			314	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{DRM}&V_{RRM}+200V	150		1600		V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave V_R=0.6V_{RRM}	150			7.5	KA
I^2t	I^2T for fusing coordination					281	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
r_F	Forward slop resistance					0.88	mΩ
V_{FM}	Peak forward voltage	I_{FM}=600A	25			1.40	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	At 180^0 sine，Single side cooled				0.210	℃/W
V_{iso}	Isolation voltage	50Hz,RM.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M6)				5.0		N.m
	Mounting torque(M6)				5.0		N.m

OUTLINE DRAWING & CIRCUIT DIAGRAM

Rating and Characteristic

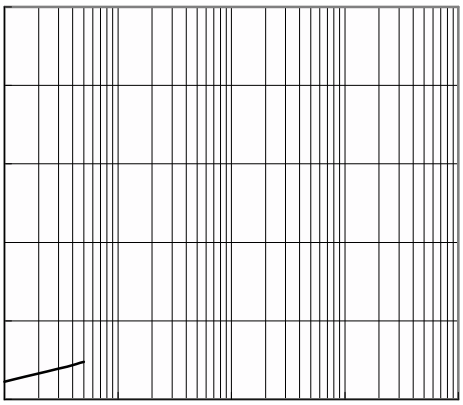

Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

Fig.6

