

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
I _{F(AV)}	DC output current	three phase full-wave rectifier circuit T _C =100°C	150			1000	A
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RRM} = V _{RRM} + 00V	150	600		1600	V
I _{RRM}	Repetitive peak current	at V _{RRM} 2	150			15	mA
I _{FSM}	Surge forward current	10ms half sine wave	150			28	KA
I ² t	I ² T for fusing coordination	V _R =0.6V _{RRM}				116.5 3920	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.71	V
r _F	Forward slop resistance					0.10	mΩ
V _{FM}	Peak forward voltage	I _{FM} =3000A	25			1.82	V
R _{th(j-c)}	Thermal resistance Junction to case	At 180° sine Single side cooled				0.052	°C /W
R _{th(c-h)}	Thermal resistance case to heatsink	At 180° sine Single side cooled				0.020	°C /W
V _{iso}	Isolation voltage	50Hz,R.M.S,t=1min, I _{iso} :1mA(max)		2500			V
F _m	Terminal connection torque(M12)					14	N-m
	Mounting torque(M8)					12	N-m
T _{stg}	Stored temperature			-40		125	°C
W _t	Weight	outline 106F				3800	g
Outline	box size	162×100×55mm				6	Pcs/box

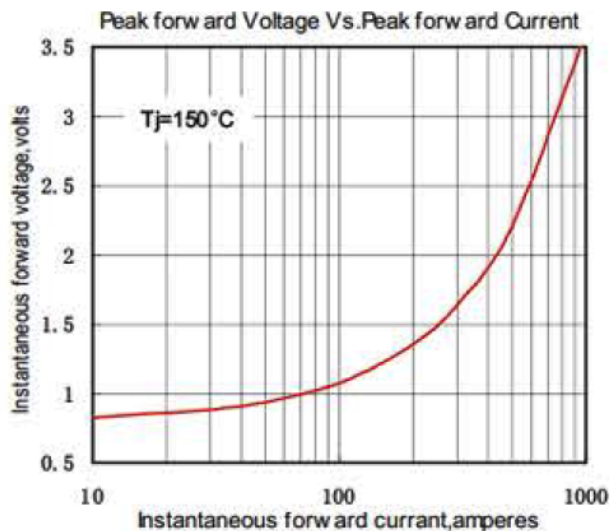


Fig.1

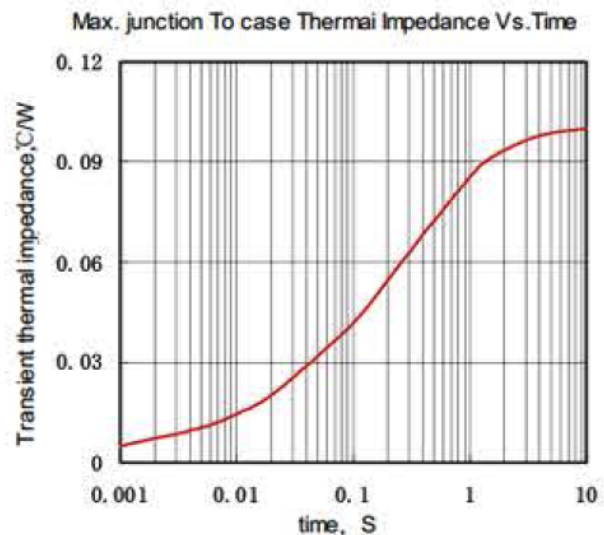


Fig.2

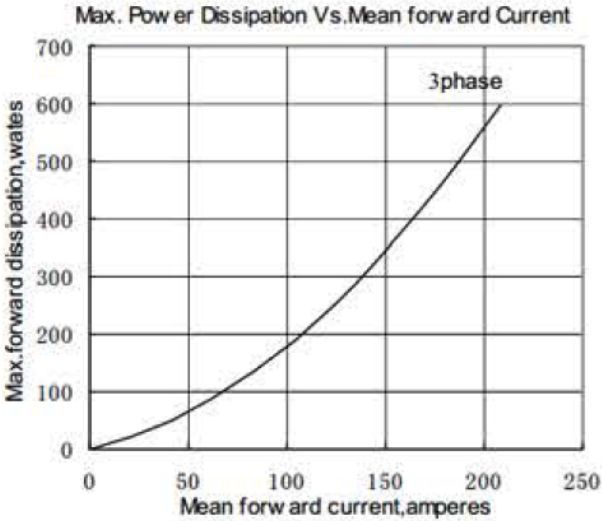


Fig.3

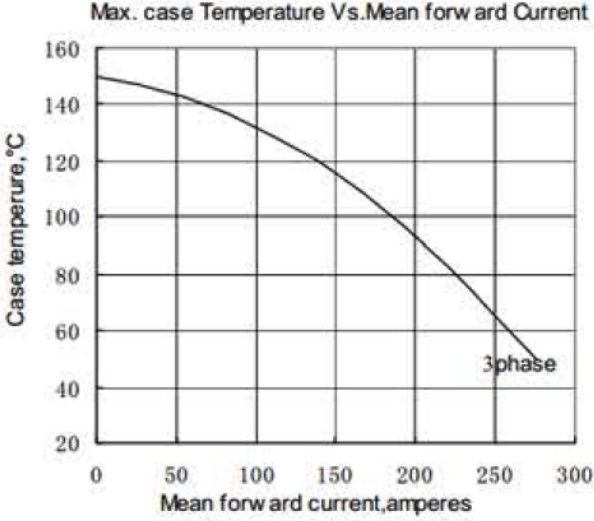


Fig.4

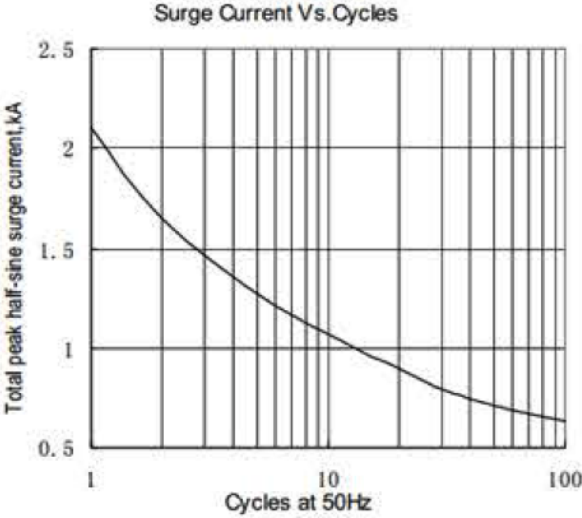


Fig.5

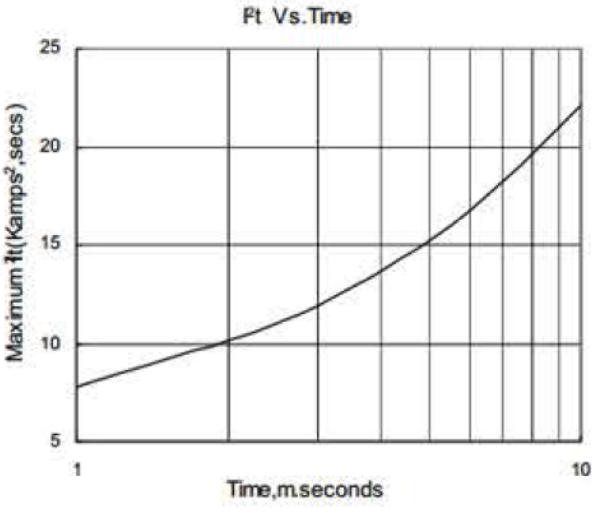


Fig.6

MDS1000A

