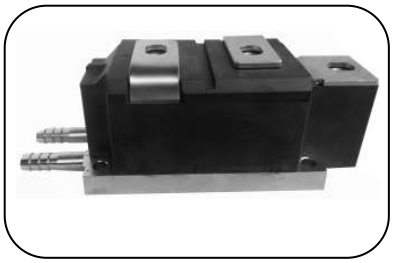

Features：

- Isolated mounting base 2500V~
- Pressure contact technology with Increased power cycling capability
- Space and weight saving

Typical Applications

- Various rectifiers
- DC supply for PWM inverter

V_{RSM}	V_{RRM}	Type & Outline
900V	800V	MDx800-08-411F3
1100V	1000V	MDx800-10-411F3
1300V	1200V	MDx800-12-411F3
1500V	1400V	MDx800-14-411F3
1700V	1600V	MDx800-16-411F3
1900V	1800V	MDx800-18-411F3

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side water cooled, T_C=60°C	150			800	A
$I_{F\ (RMS)}$	RMS forward current		150			1256	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			40	mA
I_{FSM}	Surge forward current	10ms half sine wave V_R=0.6V_{RRM}	150			20	kA
I^2t	I^2t for fusing coordination					2000	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
r_F	Forward slope resistance					0.34	mΩ
V_{FM}	Peak forward voltage	I_{FM}=2400A	25			1.72	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180^0 sine· Single side cooled per chip				0.080	°C /W
$R_{th(c-h)}$	Thermal resistance case to heat sink	At 180^0 sine· Single side cooled per chip				0.024	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M10)				14.0		N·m
	Mounting torque(M6)				12.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				3460		g
Outline	411F3						

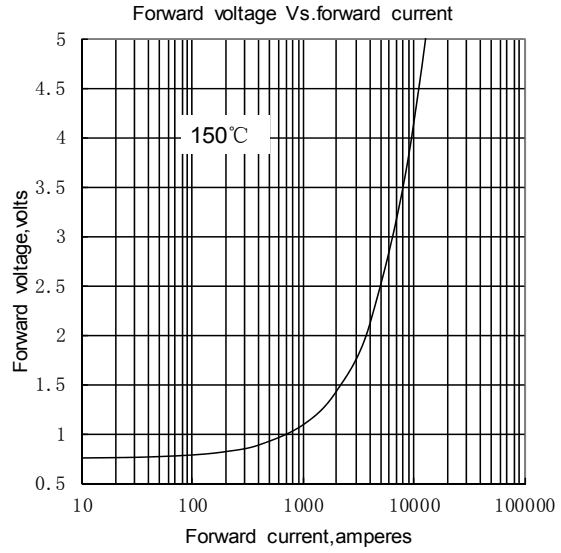

Fig.1

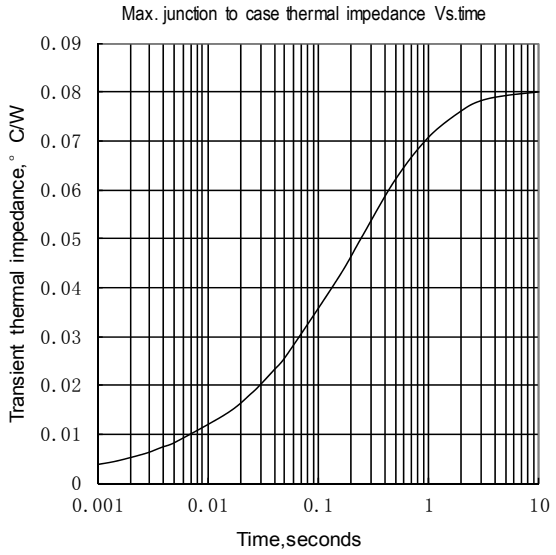

Fig.2

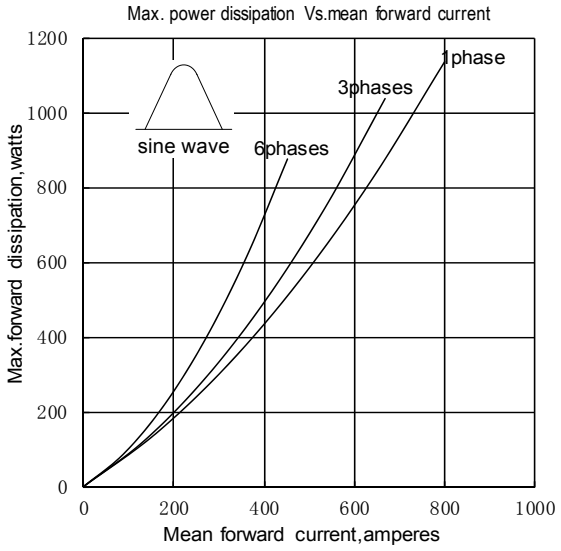

Fig.3

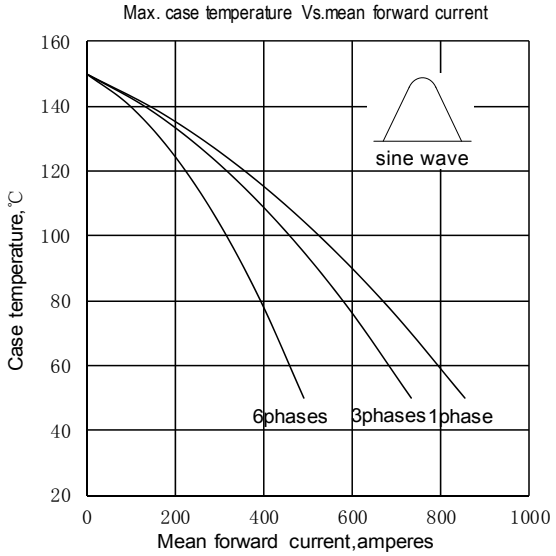

Fig.4

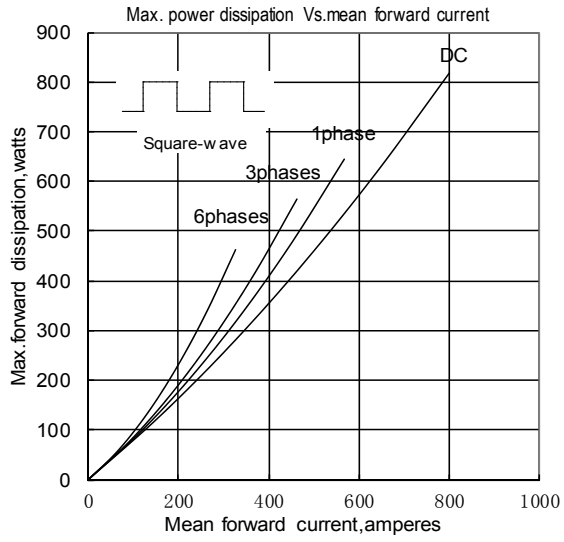

Fig.5

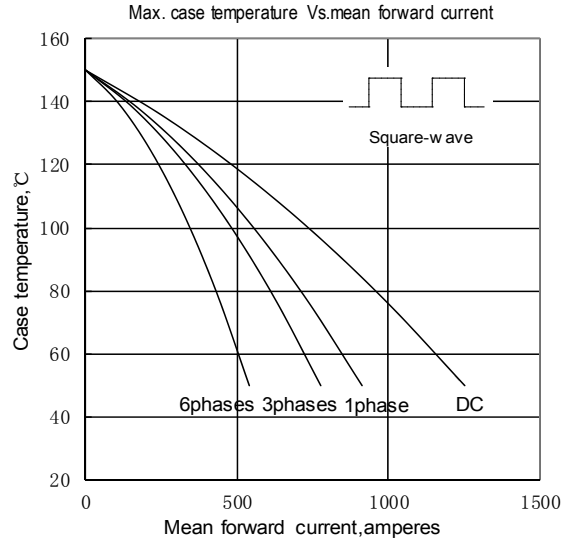

Fig.6

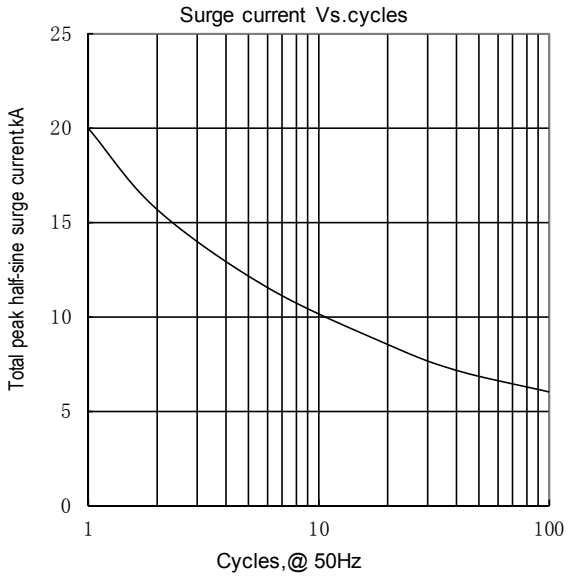

Fig.7

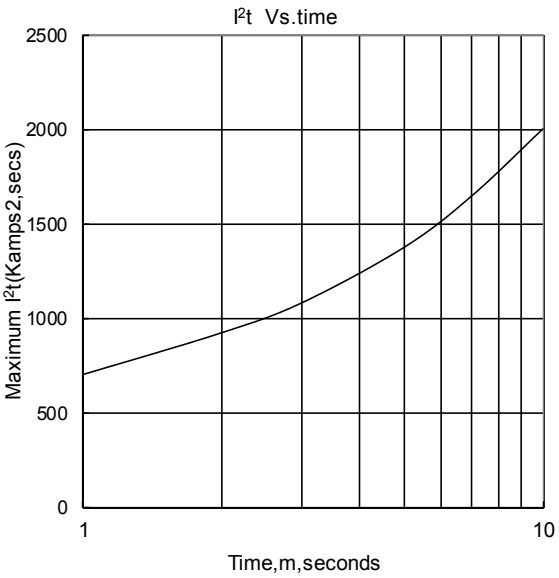

Fig.8

Outline: