

Features :

- Isolated mounting base 3400V~
- Solder joint technology with Increased power cycling capability
- Space and weight saving

Typical Applications

- Inverter
- Supplies for DC power equipment
- Field supply for DC motors

V _{RSM}	V _{RRM}	品名
1700V	1600V	MT240D160S
1900V	1800V	MT240D180S
2100V	2000V	MT240D200S
2300V	2200V	MT240D220S

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
I _O	DC output current	Three-phase full wave rectifying circuit, T _C =100°C	150			240	A
I _F	Diode forward current	T _C =100°C	150			100	A
I _{RRM}	Repetitive peak current	at V _{RRM}	150		2	8	mA
I _{FSM}	Surge forward current	10ms half sine wave	125			1.3	kA
I ² t	I ² t for fusing coordination	V _R =0				8.45	A ² s*10 ³
V _{FM}	Peak forward voltage	I _{FM} =200A	150			1.45	V
			25			1.50	V
R _{th(j-c)}	Thermal resistance Junction to case	D.C. Single side cooled, per chip				0.32	°C /W
R _{th(c-h)}	Thermal resistance case to heatsink	D.C. Single side cooled, total				0.05	°C /W
V _{iso}	Isolation voltage	50Hz,R.M.S,t=1min		3400			V
F _m	Mounting torque(M5)			2.4		3.0	N·m
T _{stg}	Stored temperature			-40		125	°C
W _t	Weight				170		g
Outline	M36						

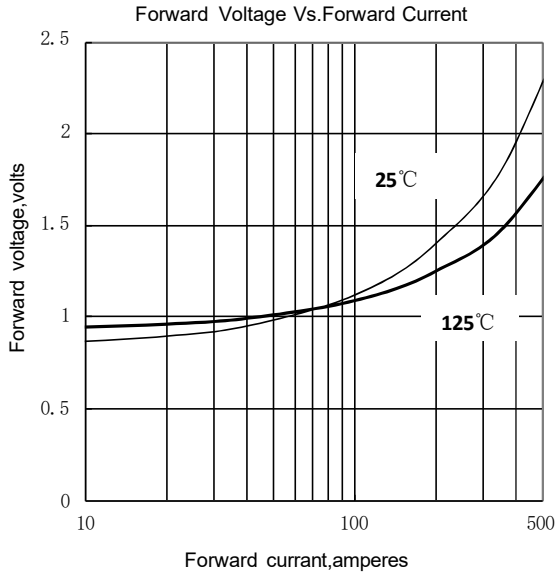


Fig.1

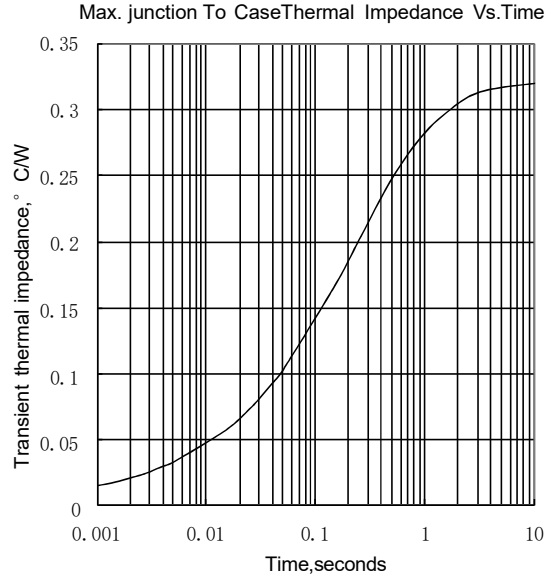


Fig.2

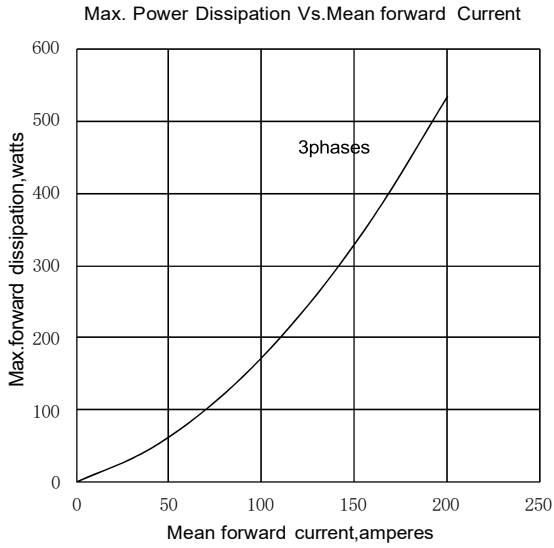


Fig.3

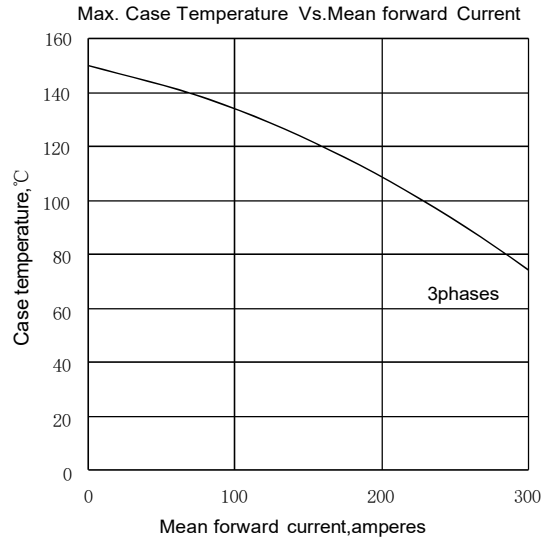


Fig.4

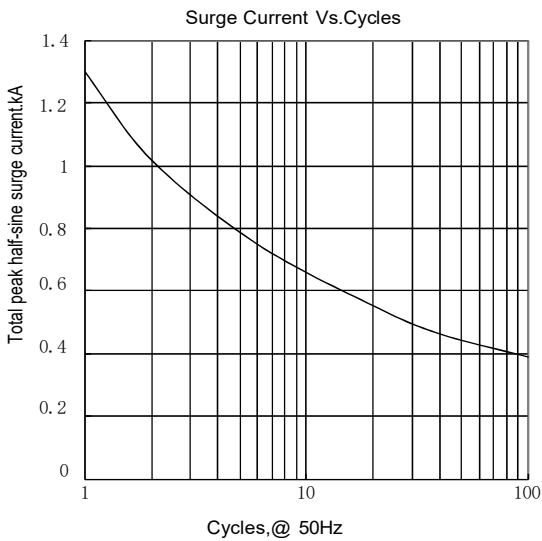
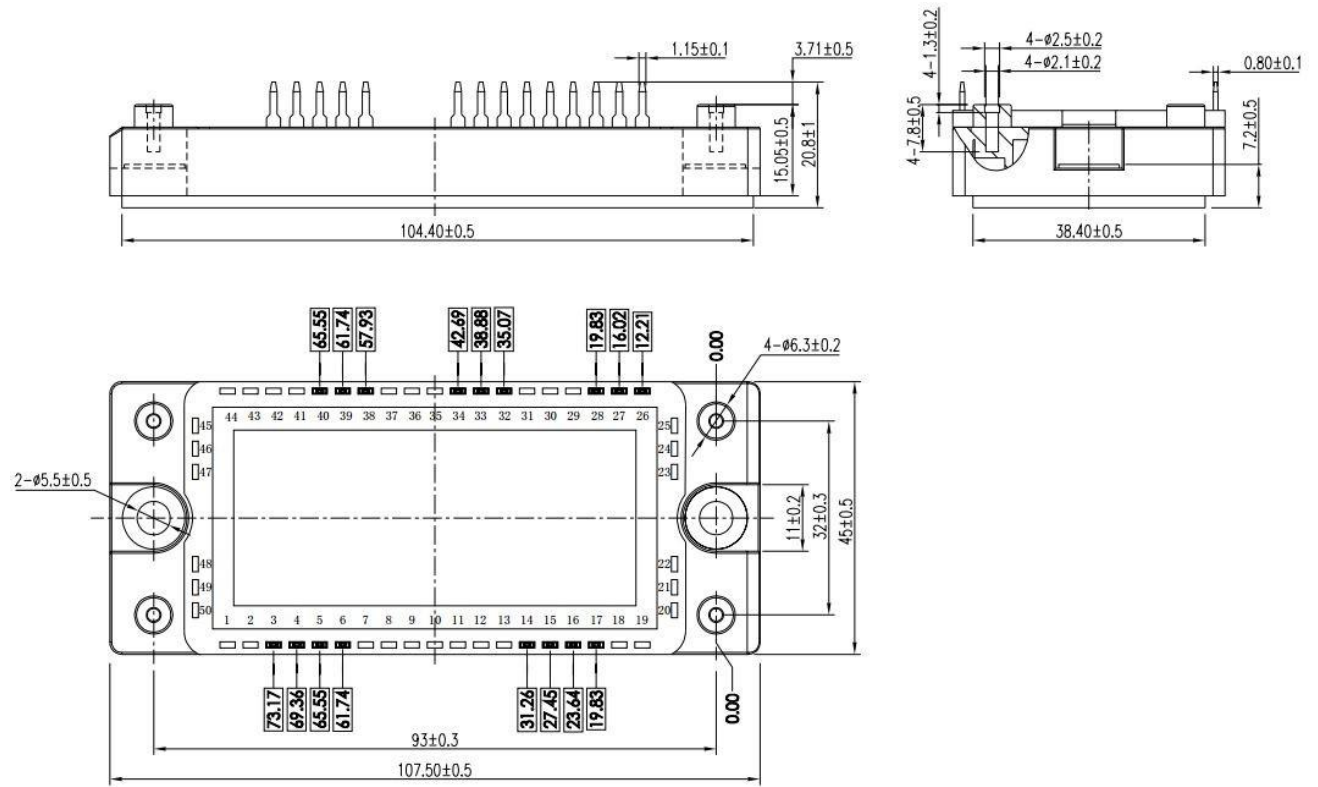


Fig.5

Outline:



Unmarked dimensional tolerance: ± 0.5 mm

Circuit diagram :

