

Temperature increase of main components: 主要部品温度上昇

Model: MAX1600F (M1F-CCCC-00)

1. Conditions

- (1) Input : AC90V
- (2) Output : 5V, 300A (1500W)
- (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)					Rated temp. [°C]	Reference
			[deg]						
			5V						
1	Line Filter	L102	26				105		
2	Rectifier(Input)	SS101	68				150	Junction Temp.	
3	Thyristor	SCR102	55				125	Junction Temp.	
4	Transistor(Pfc)	TR209	55				150	Junction Temp.	
5	Diode(Pfc)	SS201	59				150	Junction Temp.	
6	Choke Coil(Pfc)	L201	49				120		
7	Capasitor	C227	25				105		
8	Output Capacitor	C801	6				105		
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(Side view)

Fig.1.1 Mounting method (Normal position)