

Date : Oct.18,2000

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

Model : DPF1000

1. Conditions

- (1) Input : AC 85 ~ 264 [V]
- (2) Output : Rated output
- (3) Aluminum base plate temp. : 85 [°C] (Fig1.1)

2. Result

The temperature Increase based on the aluminum base plate is shown below.

No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[deg]				
			360				
1	Choke coil(PFC)	L11	28			120	
2	Rectifier(Input)	SS11	38			150	Junction temp.
3	Transistor(PFC)	TR13	28			150	Junction temp.
4	Rectified diode(Output)	SS13	23			150	Junction temp.
5	Power control IC	IC202	18			150	Junction temp.
6	Transformer	CT12	13			130	
7	Printed circuit board	P2	12			130	
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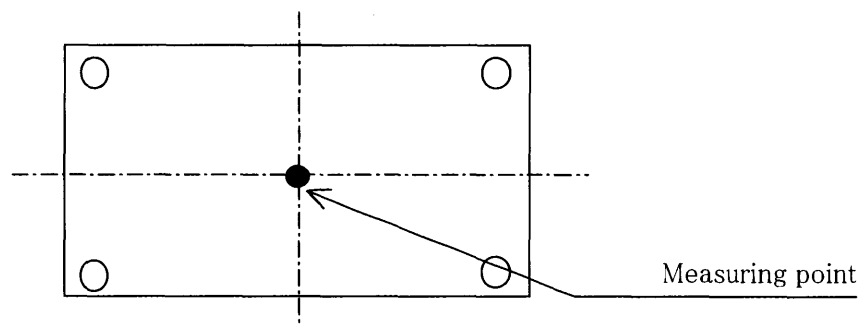


Fig.1.1 Measuring point of aluminum base plate temperature.