

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

Model : DBS200B

1. Conditions

- (1) Input : DC 200 ~ 400 [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 ( $\Delta T$ ) [deg]				Rated temp. [°C]※	Reference
			3.3V	5V	7.5V	12V		
1	Swiching trnsistor	TR11	11	15	15	18	150	※Junction temp.
2	Transformer (core)	T11	20	24	25	21	155	
3	Transformer (coil)	T11	29	29	40	34	155	
4	Rectified diode (Output)	SS51	20	15	11	10	150	※Junction temp.
5	Output choke (coil)	L51	22	22	21	28	130	
6	Printed circuit board	P2	11	13	10	10	-	
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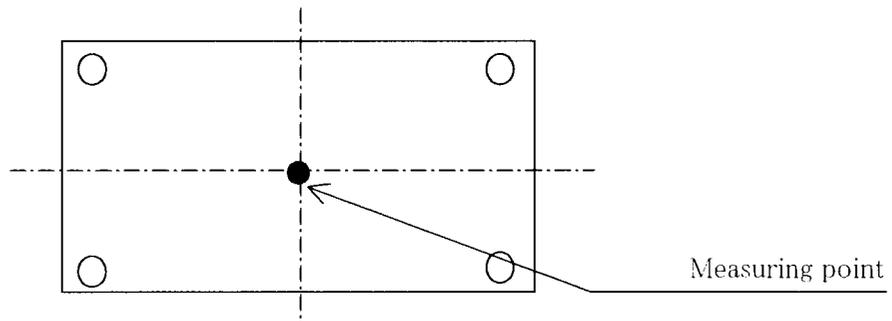


Fig.1.1 Measuring point of aluminum base plate temperature.