

Temperature increase of main components

Model: CHS60483R3,CHS604805,CHS604812

1. Conditions

- (1) Input : DC 48 [V]
 (2) Output : Rated output
 (3) Air flow : 1.0[m/s]
 (4) Measuring method : Shown as Fig1.1

2. Result

Table 2.1 Temperature increase of main components

Table 2.1 Temperature increase of main components							
No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[°C]				
			483R3	4805	4812		
1	Swiching MOS-FET	TR21	38	35	49	150	Junction temp.
2	Transformer	T11	38	36	47	130	
3	Rectifying MOS-FET	TR51	47	41	48	150	Junction temp.
4	Rectifying MOS-FET	TR61	48	40	49	150	Junction temp.
5	Power control IC	IC401	28	25	30	125	Junction temp.
6	Output choke	L91	45	36	49	155	
7							
8							
9							
10							
11							
12							
13							
14							
15							

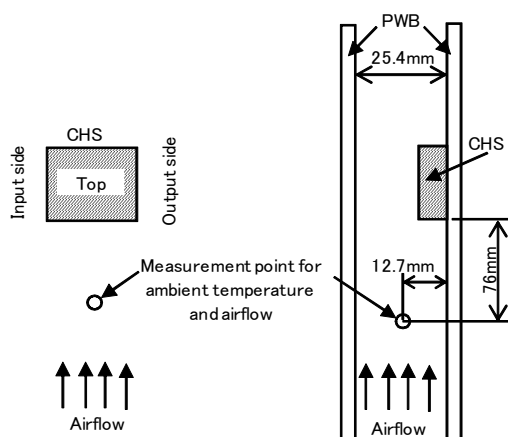


Fig1.1 Measuring method