

Temperature increase of main components

Model: CHS80483R3,CHS804805,CHS804812

1. Conditions

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

2. Result

Table 2.1 Temperature increase of main components

No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[°C]				
			3.3V	5.0V	12.0V		
1	Switching MOS-FET	TR101	50	49	50	150	Junction temp.
2	Switching MOS-FET	TR102	57	55	55	150	Junction temp.
3	Input Choke Coil	L101	41	35	39	125	
4	Rectifying MOS-FET	TR501	47	48	38	150	Junction temp.
5	Rectifying MOS-FET	TR502	48	45	36	150	Junction temp.
6	Power control IC	IC201	29	30	25	150	Junction temp.
7	Power control IC	IC301	37	38	37	150	Junction temp.
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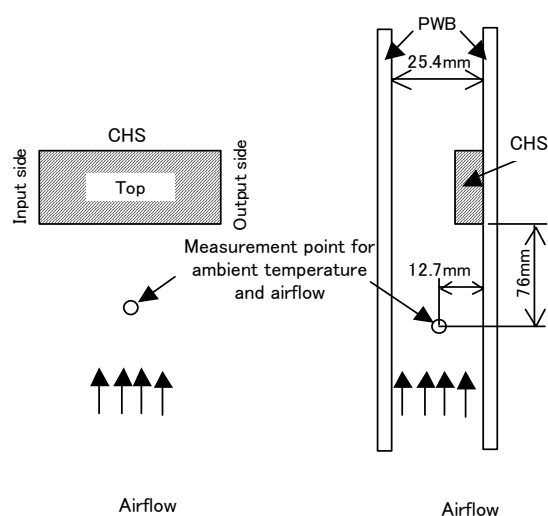


Fig1.1 Measuring method