

Temperature increase of main components

Model: CHS3002405,CHS3002412,CHS3002415

1. Conditions

- (1) Input : DC 24 [V]
 (2) Output : Rated output
 (3) Air flow : 2.0[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]				
			2405	2412	2415		
1	Switching MOS-FET	TR101	60	71	62	150	Junction temp.
2	Switching MOS-FET	TR102	62	86	59	150	Junction temp.
3	Transformer	T101	51	76	62	150	
4	Rectifying MOS-FET	TR511	67	88	63	150	Junction temp.
5	Rectifying MOS-FET	TR521	66	81	61	150	Junction temp.
6	Power control IC	IC431	54	76	52	150	Junction temp.
7	Power control IC	IC710	39	56	43	150	Junction temp.
8							
9							
10							
11							
12							
13							
14							
15							

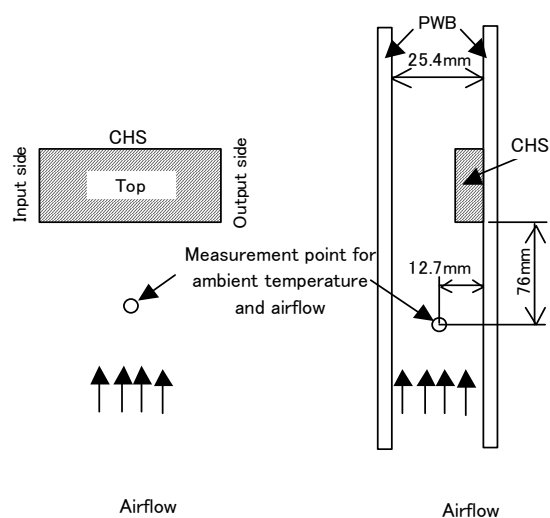


Fig1.1 Measuring method