

Jul. 16, 2019

Temperature increase of main components

Model: CHS3002424, CHS3002428, CHS3002432, CHS3002448

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]					
			2424	2428	2432	2448		
1	Switching MOS-FET	TR101	98	91	104	103	150	Junction temp.
2	Switching MOS-FET	TR102	102	93	103	101	150	Junction temp.
3	Rectifying MOS-FET	TR501	76	82	82	86	150	Junction temp.
4	Rectifying MOS-FET	TR502	71	80	73	77	150	Junction temp.
5	Transformer	T101	92	91	94	101	130	Printed circuit board
6	Power control IC	IC203	83	80	81	81	150	Junction temp.
7	Power control IC	IC401	78	77	76	80	150	Junction temp.
8								
9								
10								
11								
12								
13								
14								
15								

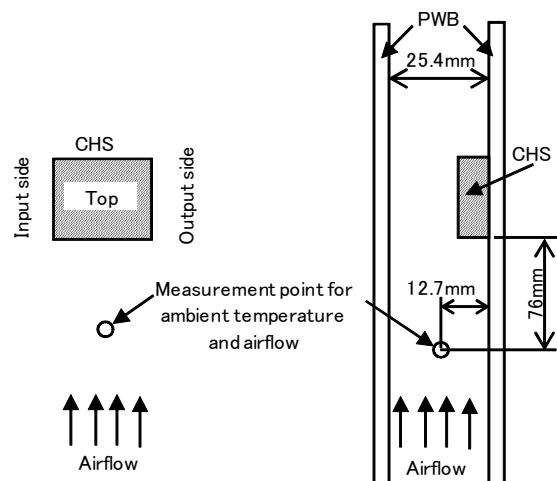


Fig1.1 Measuring method