

Apr.5,2018

Temperature increase of main components

Model: CHS7004812H

1. Conditions

- (1) Input : DC 48 [V]
- (2) Output : Rated output
- (3) Air flow : 3.0[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 ( $\Delta T$ )			Rated temp. [°C]	Reference
			[°C]				
			12V				
1	Swiching MOS-FET	TR101	89			150	Junction temp.
2	Swiching MOS-FET	TR102	84			150	Junction temp.
3	Rectifying MOS-FET	TR501	104			150	Junction temp.
4	Rectifying MOS-FET	TR503	100			150	Junction temp.
5	Transformer	T101	77			150	
6	Power control IC	IC301	79			150	Junction temp.
7	Power control IC	IC401	73			150	Junction temp.
8							
9							
10							
11							
12							
13							
14							
15							

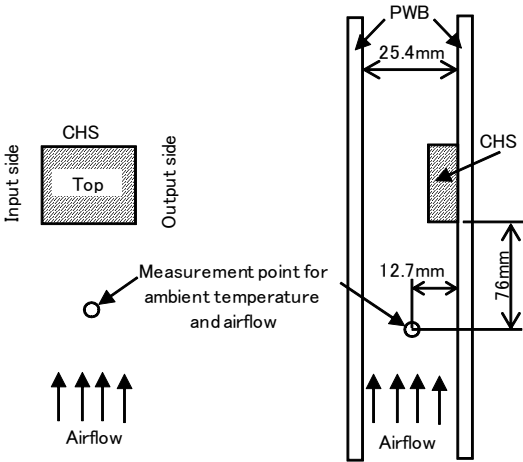


Fig1.1 Measuring method