

Temperature increase of main components

Model: CHS200483R3,CHS2004805,CHS2004812

1. Conditions

- (1) Input :DC 48 [V]
- (2) Output :Rated output
- (3) Air flow : 1[m/s]
- (4) Mounting method :Shown as Fig.1.1

2. Result

Table 2.1 Temperature increase of main components

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )				Rated temp. [°C]	Reference
			[deg]					
			3.3V	5V	12V	-		
1	Power control IC	IC201	41	44	34	-	150	Junction Temp.
2	Switching MOS-FET	TR101	75	89	86	-	150	Junction Temp.
3	Transformer	T101	59	66	53	-	150	
4	Rectifying MOS-FET	TR511	68	64	47	-	150	Junction Temp.
5	Rectifying MOS-FET	TR522	67	69	45	-	150	Junction Temp.
6	Input Choke Coil	L101	65	69	57	-	125	
7	Driver IC	IC111	53	61	44	-	150	Junction Temp.
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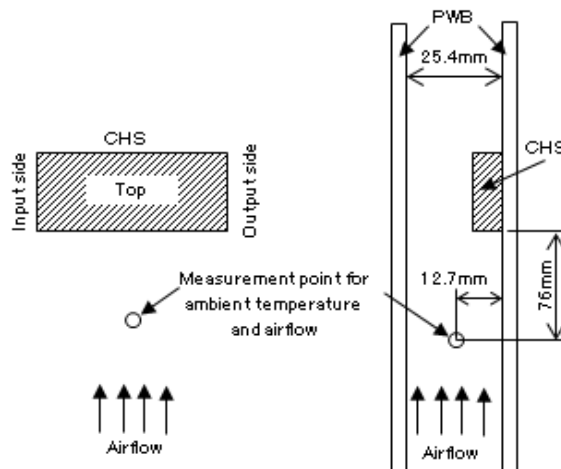


Fig1.1 Measuring method