

Temperature increase of main components: 主要部品温度上昇

Model: CES48033-30, CES48050-20, CES48060-17

## 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 ( $\Delta T$ )			Rated temp. [°C]	Reference
			[°C]				
			3.3V	5.0V	6.0V		
1	Switching MOS-FET	TR103	79	82	78	150	Junction temp.
2	Input Choke Coil	L101	53	51	45	125	
3	Sub Choke Coil	L151	67	65	57	125	
4	Rectifying MOS-FET	TR502	80	63	59	150	Junction temp.
5	Rectifying MOS-FET	TR505	85	75	63	150	Junction temp.
6	Power control IC	IC201	55	54	49	150	Junction temp.
7							
8							
9							
10							
11							
12							
13							
14							
15							

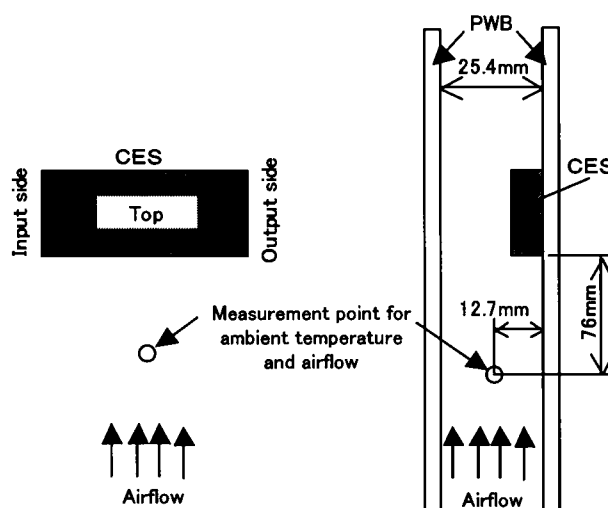


Fig1.1 Measuring method