

Temperature increase of main components

Model: CES24033-25, CES24050-16, CES24120-6
CES24150-4

1. Conditions

- (1) Input : DC 24 [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 (ΔT)						Rated temp. [°C]	Reference
			[°C]							
			3.3V	5.0V	12V	15V				
1	Switching MOS-FET	TR103	76	76	66	41			150	Junction temp.
2	Input Choke Coil	L101	38	44	39	25			125	
3	Sub Choke Coil	L151	53	49	43	31			125	
4	Rectifying MOS-FET	TR502	61	61	55	32			150	Junction temp.
5	Rectifying MOS-FET	TR505	59	59	49	34			150	Junction temp.
6	Power control IC	IC201	48	47	38	24			150	Junction temp.
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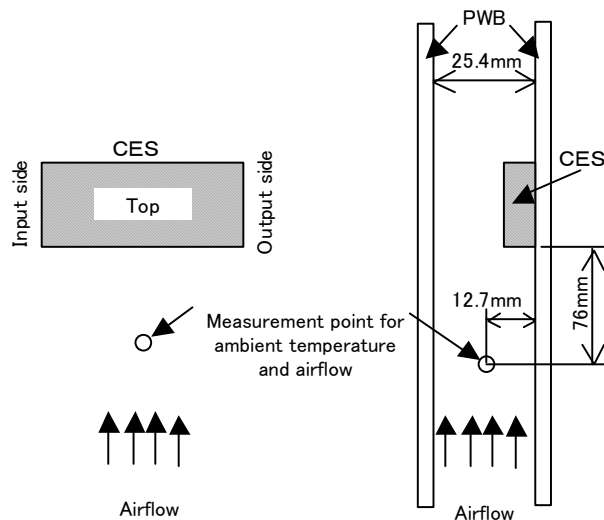


Fig1.1 Measuring method