

Jan.9,2009

Temperature increase of main components

Model: CES48033-30P,CES48050-20P,CES48120-7P

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

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No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[°C]				
			3.3V	5.0V	12.0V		
1	Switching MOS-FET	TR103	84	90	80	150	Junction temp.
2	Input Choke Coil	L101	53	58	50	125	
3	Rectifying MOS-FET	TR502	69	72	64	150	Junction temp.
4	Rectifying MOS-FET	TR503	69	72	64	150	Junction temp.
5	Power control IC	IC301	42	46	40	140	Junction temp.
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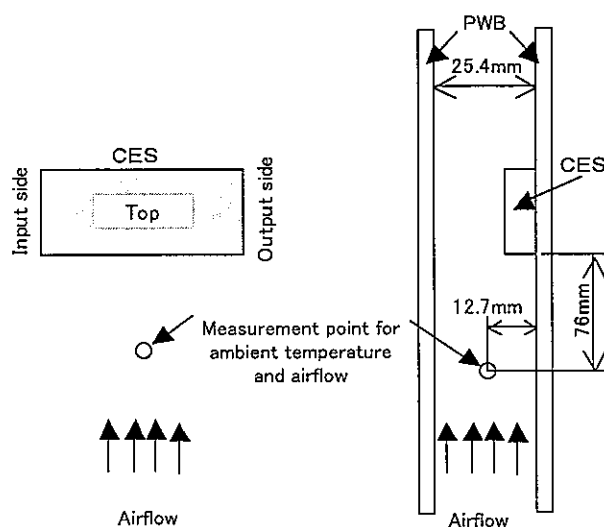


Fig1.1 Measuring method