

Temperature increase of main components

Model: CQS24033-40, CQS24050-28, CQS24120-12, CQS24150-8

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. $^{\circ}\text{C}$	Reference
			$^{\circ}\text{C}$							
			3.3V	5.0V	12V	15V				
1	Swiching MOS-FET	TR103	71	81	86	51			150	Junction temp.
2	Input Choke Coil	L101	51	60	61	34			125	
3	Sub Choke Coil	L151	35	34	29	34			125	
4	Rectifying MOS-FET	TR502	68	84	74	35			150	Junction temp.
5	Rectifying MOS-FET	TR505	66	82	73	51			150	Junction temp.
6	Power control IC	IC201	39	41	38	34			150	Junction temp.
7										
8										
9										
10										

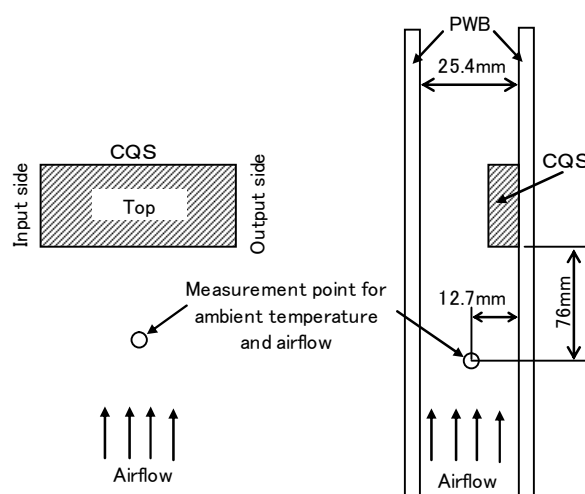


Fig1.1 Measuring method