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Temperature increase of main components

Model: BRFS60S

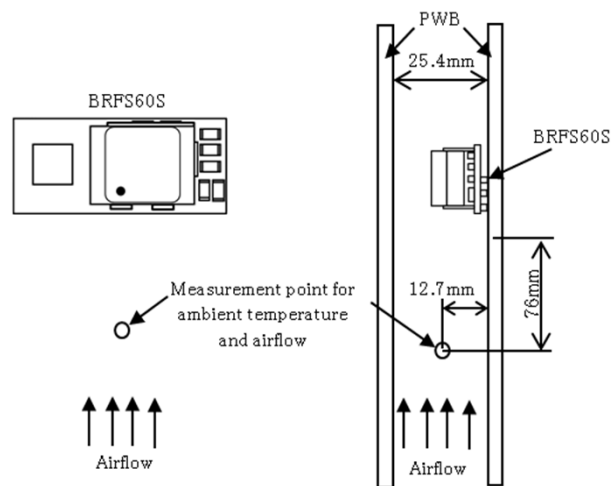
1. Conditions

- (1) Input :DC 12 [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 (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			60S							
1	Power FET	TR121	76.0						150	Junction Temp.
2	Power FET	TR131	71.0						150	Junction Temp.
3	Power control IC	IC301	54.0						125	Junction Temp.
4	Output choke (Coil)	L141	60.0						125	
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(Side view)

Fig.1.1 Mounting method