

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

Model: KHNA30F

1. Conditions

- (1) Input : AC 85 ~ 264 [V]
- (2) Output : Rated output *Derating is required at AC85 - 90[V] input.
- (3) Mounting method : Shown as Fig.1.1

2. Result

| No. | Parts name | Symbol No. | Increase (ΔT) | | | | | | Rated temp. [°C] | Reference |
|-----|---------------------------|------------|-------------------------|-----|-----|--|--|--|------------------|----------------|
| | | | [deg] | | | | | | | |
| | | | 5V | 12V | 24V | | | | | |
| 1 | Line Filter | L101 | 37 | 43 | 48 | | | | 120 | |
| 2 | Rectifier(Input) | SS101 | 52 | 55 | 58 | | | | 150 | Junction Temp. |
| 3 | Input Capacitor | C106 | 21 | 23 | 26 | | | | 105 | |
| 4 | Switching Transistor | TR201 | 50 | 53 | 58 | | | | 150 | Junction Temp. |
| 5 | Transformer | T201 | 50 | 45 | 45 | | | | 130 | |
| 6 | Rectified MOS-FET(Output) | TR601 | 59 | 45 | 42 | | | | 150 | Junction Temp. |
| 7 | Output Choke | L601 | 53 | 36 | 31 | | | | 120 | |
| 8 | Output Capacitor | C515 | 27 | 20 | 19 | | | | 105 | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

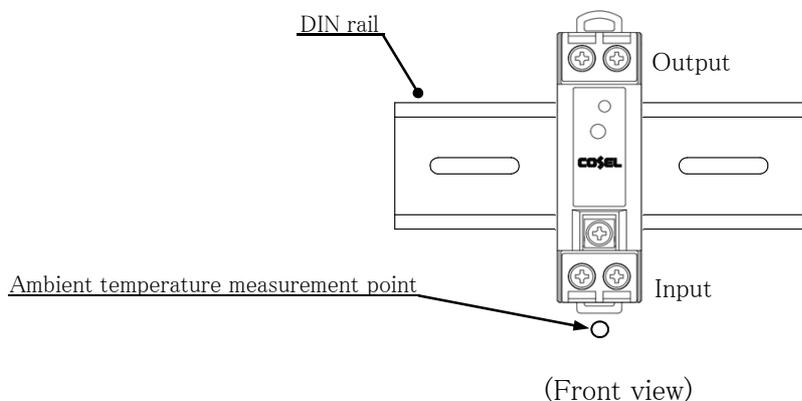


Fig.1.1 Mounting method (Normal position)

*All information presented herein are not guaranteed.
 *本資料は参考資料であり、その内容を保証するものではありません。