

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

Model: KHNA480F

1. Conditions

- (1) Input : AC 85 ~ 264 [V]
 (2) Output : Rated output *Derating is required at AC85 - 100[V] input.
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			24V	48V						
1	Line Filter	L104	57.4	55.7					120	Junction Temp.
2	Rectifier(Input)	SS101	54.5	65.0					150	
3	Choke Coil(Input)	L106	44.8	42.5					130	
4	Choke Coil(PFC)	L107	51.7	49.0					130	Junction Temp.
5	Transistor(PFC)	TR101	62.2	56.2					105	
6	Rectified Diode(PFC)	SS102	50.5	51.9					150	
7	Input Capacitor	C111	29.9	30.4					105	Junction Temp.
8	Switching Transistor	TR402	57.3	58.6					150	
9	Transformer	T301	55.9	57.6					150	
10	Transformer	T401	80.0	67.9					150	Junction Temp.
11	Rectified MOS-FET(Output)	TR501	59.7	56.0					150	
12	Output Capacitor	C501	43.6	35.2					105	
13	Output Capacitor	C504	43.9	38.4					105	
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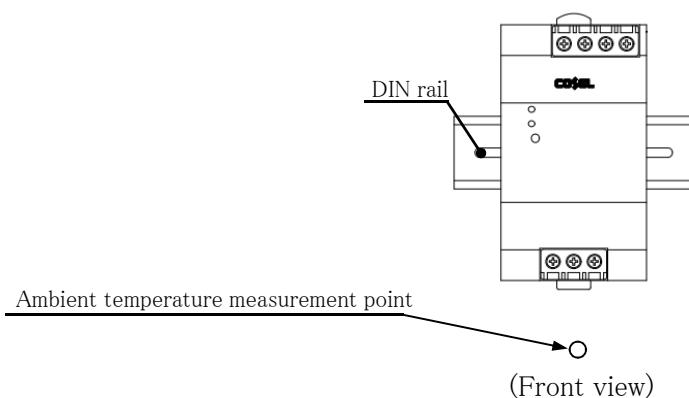


Fig.1.1 Mounting method
(Normal position)

*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。