

Date : Sept.5,2022

Temperature increase of main components

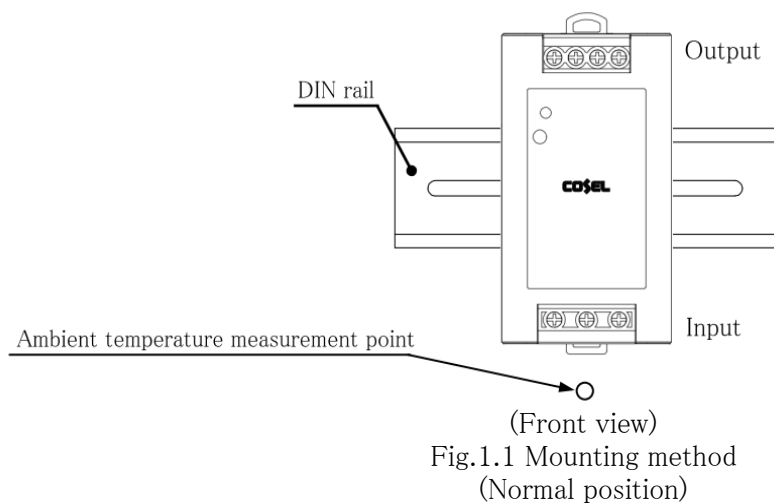
Model: WDA90F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output *Derating is required at AC85-115[V] input
- (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			12V	24V	48V					
1	Line Filter	L101	41.2	41.2	41.2				130	
2	Line Filter	L102	52.1	52.1	52.1				130	
3	Rectifier(Input)	SS101	71.2	71.2	71.2				150	Junction Temp.
4	Input Capacitor	C109	25.6	25.6	25.4				105	
5	Input Capacitor	C110	21.6	20.6	23.1				105	
6	Switching Transistor	TR201	67.5	64	68.1				150	Junction Temp.
7	Transformer	T201	68.5	59	58.7				130	
9	Rectified Transistor(Output)	SS501	75.8	72.3	61.1				150	Junction Temp.
10	Rectified Transistor(Output)	SS502	76.8	—	—				150	Junction Temp.
11	Output Capacitor	C506	39.9	29.4	26.1				105	
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*All information presented herein are not guaranteed.