

Date : Jul.21,2021

### Temperature increase of main components

Model: WBA350B

## 1. Conditions

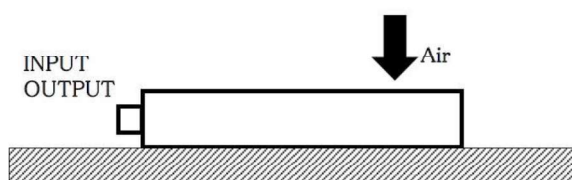
(1) Input :AC 170 ~ 305 [V]

(2) Output :Rated output \*Derating is required at 170-200[VAC] input.

(3) Mounting method :Shown as Fig.1.1

## 2. Result

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			12V	24V	36V	48V				
1	Line Filter	L101	28.3	28.1	25.1	27.8			130	
2	Rectifier(Input)	SS101	29.5	28.5	22.1	25.2			150	Junction Temp.
3	Input Capacitor	C104	10.6	11.4	8.7	8.7			105	
4	Switching Transistor	TR201	23.7	21.2	20.9	19.5			150	Junction Temp.
5	Transformer	T201	42.5	43.3	50.8	47.6			130	
6	Output Choke	L501	46.4	45.7	61.9	48.3			130	
7	Rectified Transistor(Output)	SS503	50.7	49.2	34.4	47.5			150	Junction Temp.
8	Output Capacitor	C523	29	22.5	19.4	19.9			105	
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(Side view)

Fig.1.1 Mounting method  
(Normal position)

\*All information presented herein are not guaranteed.