

Date : Jun.4,2020

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

Model : PJMA600F

1. Conditions

- (1) Input : AC 100 ~ 264 [V]
 (2) Output : Rated output
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)					Rated temp. [°C]	Reference
			[deg]						
			12V	24V	36V	48V			
1	Line filter	L101	45	34	39	35		120	
2	Rectifier(Input)	SS101	75	77	69	71		150	Junction Temp.
3	Inrush Current Limiting Thyristor	SCR101	62	60	66	65		130	Junction Temp.
4	Choke coil(PFC)	L103	32	59	52	50		130	
5	Input capacitor	C121	17	16	15	15		105	
6	Rectified diode(Output)	SS102	43	36	45	40		150	Junction Temp.
7	Transistor(PFC)	TR102	51	43	52	42		150	Junction Temp.
8	Switching transistor	TR201	65	48	49	55		150	Junction Temp.
9	Transformer	T201	35	33	25	25		130	
10	Rectified Diode(Output)	SS501	85	43	38	44		150	Junction Temp.
11	Output Choke	L507	24	18	14	16		130	
12	Output Capacitor	C512	23	15	9	11		105	
13	Voltage Regulator	IC701	24	26	20	23		150	Junction Temp.
14									
15									
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18									
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(Side view)

Fig.1.1 Mounting method

*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。