

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

Model: PBA1000F

1. Conditions

- (1) Input : AC 85 ~ 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]									
			3.3V	5V	7.5V	12V	15V	24V	36V	48V		
1	Line Filter	L101	38	43	42	43	42	40	38	40	130	
2	Rectifier(Input)	SS101	56	60	58	58	58	57	56	58	150	Junction Temp.
3	Inrush Current Limiting Thyristor	SCR101	59	62	60	61	60	59	59	60	125	Junction Temp.
4	Choke Coil(Pfc)	L103	37	40	39	38	39	38	37	39	120	
5	Transistor(Pfc)	TR101	56	58	58	56	58	57	57	58	150	Junction Temp.
6	Rectified Diode(Pfc)	SS103	66	70	67	70	70	68	66	66	150	Junction Temp.
7	Input Capacitor	C119	14	16	15	16	15	15	15	15	105	
8	Switching Transistor	TR308	41	44	46	39	48	44	44	43	150	Junction Temp.
9	Transformer	T301	44	54	49	54	42	45	45	54	130	
10	Rectified Diode(Output)	SS505	64	69	75	61	60	55	39	43	150	Junction Temp.
11	Output Choke	L501	63	64	50	41	51	50	47	55	130	
12	Output Capacitor	C507	30	33	31	25	24	21	18	19	105	
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(Side view)

Fig.1.1 Mounting method
(Normal position)