

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

Model: GHA300F-SNF

1. Conditions

- (1) Input : AC 90 ~ 264 [V]  
 (2) Output : Rated output  
 (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	48V					
1	Line Filter	L101	28	23	26				130	
2	Rectifier(Input)	SS11	78	74	68				150	Junction Temp.
3	Choke Coil(Pfc)	L11	33	30	33				130	
4	Input Capacitor	C106	11	8	10				105	
5	Rectified Diode(Pfc)	SS12	44	40	45				150	Junction Temp.
6	Transistor(Pfc)	TR11	38	34	38				150	Junction Temp.
7	Switching Transistor	TR21	42	33	37				150	Junction Temp.
8	Transformer	T11	53	41	41				130	
9	Rectified Transistor(Output)	TR54	37	22	–				150	Junction Temp.
10	Rectified Diode(Output)	D54	–	–	43				150	Junction Temp.
11	Output Choke	L51	39	34	33				135	
12	Output Capacitor	C506	12	9	8				105	
13	Output Capacitor	C508	11	9	8				125	
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method