

Date : Mar.27,2001

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

Model: ACE450F (AC4-HHECC-00)

1. Conditions

- (1) Input : AC 85~264V
- (2) Output : Rated Output
- (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)[deg]					Rated temp. [°C]	Reference
			Input Module		Output Module				
			PFC	5V	12V	24V			
1	Line Filter	L102	12	-	-	-	120		
2	Rectifier(Input)	SS101	54	-	-	-	150	Junction Temp.	
3	Thyristor	SCR151	26	-	-	-	125	Junction Temp.	
4	Choke Coil(Pfc)	L105	41	-	-	-	120		
5	Transistor(Pfc)	TR105	49	-	-	-	150	Junction Temp.	
6	Rectified Diode(Pfc)	SS102	42	-	-	-	150	Junction Temp.	
7	Input Capacitor	C126	8	-	-	-	105		
8	Switching Transistor	TR201	-	45	45	45	150	Junction Temp.	
9	Transformer	T201	-	55	58	51	120		
10	Rectified Diode(Output)	SS502	-	58	55	54	150	Junction Temp.	
11	Output Choke	L507	-	65	56	52	130		
12	Output Capacitor	C506	-	38	32	29	105		
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(Side view)

Fig.1.1 Mounting method
(Normal position)