

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

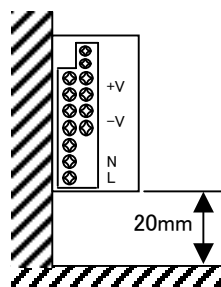
Model: ADA600F

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]							
			24V	30V	36V	48V				
1	Rectifier(Input)	SS101	68	68	68	68			150	Junction Temp.
2	Line Filter	L102	56	56	56	56			120	
3	Choke Coil(Pfc)	L103	51	51	51	51			120	
4	Switching Transistor(Pfc)	TR101	70	70	70	70			150	Junction Temp.
5	Rectified Diode(Pfc)	SS103	69	69	69	69			150	Junction Temp.
6	Inrush Current Limiting Thyristor	SCR151	64	64	64	64			150	Junction Temp.
7	Input Capacitor	C130	36	36	36	36			105	
8	Switching Transistor	TR202	67	68	68	68			150	Junction Temp.
9	Transformer	T201	58	56	55	56			120	
10	Rectified Diode(Output)	SS501	60	57	57	56			150	Junction Temp.
11	Rectified Diode(Output)	SS502	67	65	62	60			150	Junction Temp.
12	Rectified Diode(Output)	SS503	65	64	60	61			150	Junction Temp.
13	Rectified Diode(Output)	SS504	65	64	58	—			150	Junction Temp.
14	Output Choke	L507	64	63	65	57			130	
15	Output Capacitor	C510	38	39	37	35			105	
16										
17										
18										
19										
20										

Fig.1.1 Mounting method
(position A)