

Date : Aug.26,2008

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

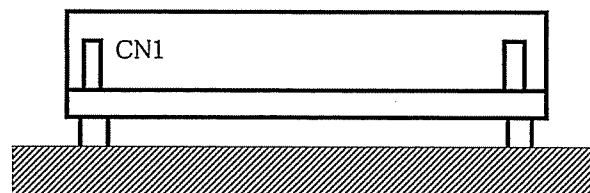
Model : LCA100S

1. Conditions

- (1) Input : AC 85 ~ 132 [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]							
			5V	12V	15V	24V				
1	Line Filter	L11	47	50	45	45			120	
2	Rectifier(Input)	SS11	77	73	69	70			150	Junction Temp.
3	Input Capacitor	C14	22	19	19	19			105	
4	Input Capacitor	C15	19	19	19	18			105	
5	Switching Transistor	TR21	68	57	50	46			150	Junction Temp.
6	Transformer	T11	53	42	41	39			120	
7	Rectified Diode(Output)	SS51	74	64	54	–			150	Junction Temp.
8	Rectified Diode(Output)	SS52	77	64	53	56			150	Junction Temp.
9	Output Choke	L51	57	49	42	43			120	
10	Output Capacitor	C53	38	22	19	18			105	
11	Output Capacitor	C54	36	20	16	–			105	
12										
13										
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(Side view)

Fig.1.1 Mounting method
(Normal position)