

Date : Jul.8,2002

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

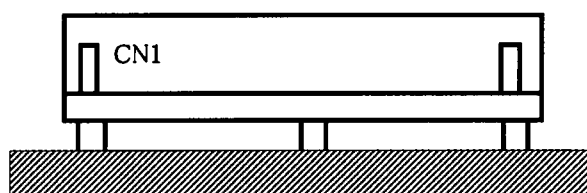
Model: LCC30A-4

1. Conditions

- (1) Input : AC 85~132V
 (2) Output : 100%
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)			Rated temp. [°C]	Reference
			[deg]				
			AC85V	AC100V	AC132V		
1	Input Diode	SS11	62	55	47	150	Junction Temp.
2	Line Filter	L11	62	51	40	120	
3	Input Capacitor	C13	34	32	30	105	
4	Switching Transistor	TR12	57	50	47	150	Junction Temp.
5	Transformer	T11	61	57	55	130	
6	Rectified Diode(Output)(V1)	SS51	72	70	68	150	Junction Temp.
7	Rectified Diode(Output)(V2)	D71	60	59	58	150	Junction Temp.
8	Rectified Diode(Output)(V3)	D91	65	64	63	150	Junction Temp.
9	Output Choke	L51	37	37	37	120	
10	Output Capacitor (V1)	C51	44	43	42	105	
11	Output Capacitor (V1)	C52	44	44	43	105	
12	Output Capacitor (V2)	C72	44	43	42	105	
13	Output Capacitor (V3)	C91	44	43	43	105	
14	Voltage Regulator(V2)	IC71	69	69	67	150	Junction Temp.
15	Voltage Regulator(V3)	IC91	69	69	68	150	Junction Temp.
16							
17							
18							
19							
20							



(Side view)

Fig.1.1 Mounting method
(Normal position)