

Date : Apr.26,2002

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

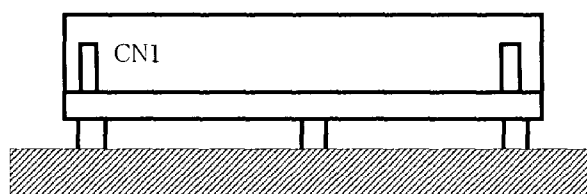
Model: LCC30A-2

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	77	70	63	150	Junction Temp.
2	Line Filter	L11	58	50	42	120	
3	Input Capacitor	C13	38	34	34	105	
4	Switching Transistor	TR12	63	56	53	150	Junction Temp.
5	Transformer	T11	58	56	55	130	
6	Rectified Diode(Output)(V1)	SS51	59	58	57	150	Junction Temp.
7	Rectified Diode(Output)(V2)	D71	69	68	67	150	Junction Temp.
8	Rectified Diode(Output)(V3)	D91	52	51	51	150	Junction Temp.
9	Output Choke	L51	32	32	31	120	
10	Output Capacitor (V1)	C51	34	32	32	105	
11	Output Capacitor (V1)	C52	36	35	35	105	
12	Output Capacitor (V2)	C72	34	33	33	105	
13	Output Capacitor (V3)	C91	37	37	37	105	
14	Voltage Regulator(V2)	IC71	61	60	59	150	Junction Temp.
15	Voltage Regulator(V3)	IC91	60	59	58	150	Junction Temp.
16							
17							
18							
19							
20							



(Side view)

Fig.1.1 Mounting method
(Normal position)