

Date : Oct.28,2002

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

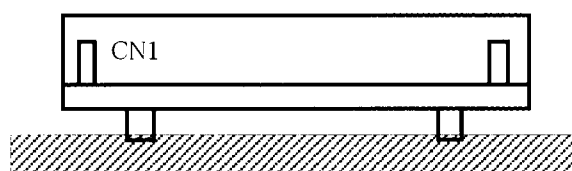
Model: LEP150F

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 | 36V | 48V | | | | | |
| 1 | Rectifier(Input) | SS101 | 82 | 80 | 80 | | | | 150 | Junction Temp. |
| 2 | Line Filter | L102 | 50 | 50 | 50 | | | | 120 | |
| 3 | Choke Coil(Pfc) | L103 | 57 | 54 | 54 | | | | 120 | |
| 4 | Transistor(Pfc) | TR105 | 75 | 71 | 71 | | | | 150 | Junction Temp. |
| 5 | Rectified Diode(Pfc) | D102 | 65 | 65 | 60 | | | | 150 | Junction Temp. |
| 6 | Input Capacitor | C119 | 32 | 32 | 32 | | | | 105 | |
| 7 | Switching Transistor | TR201 | 63 | 65 | 57 | | | | 150 | Junction Temp. |
| 8 | Transformer | T201 | 60 | 58 | 60 | | | | 130 | |
| 9 | Rectified Diode(Output) | SS501 | 78 | 57 | 53 | | | | 150 | Junction Temp. |
| 10 | Output Choke | L507 | 63 | 52 | 64 | | | | 130 | |
| 11 | Output Capacitor | C507 | 31 | 31 | 31 | | | | 105 | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |



(Side view)

Fig.1.1 Mounting method
(Normal position)