

Date : Jun.28,2017

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

Model: FETA7000T

1. Conditions

- (1) Input :AC 170 ~ 264 [V] *Derating is required 170-180[VAC] input.
 (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] | | | | | | | |
| | | | 48V | 144V | | | | | | |
| 1 | Line Filter | L11 | 65 | 72 | | | | | 130 | |
| 2 | Rectifier(Input) | SS101 | 33 | 53 | | | | | 150 | Junction Temp. |
| 3 | Choke Coil(Pfc) | L104 | 30 | 33 | | | | | 130 | |
| 4 | Transistor(Pfc) | TR102 | 42 | 50 | | | | | 150 | Junction Temp. |
| 5 | Rectified Diode(Pfc) | SS103 | 41 | 50 | | | | | 150 | Junction Temp. |
| 6 | Input Capacitor | C128 | 19 | 26 | | | | | 105 | |
| 7 | Transformer | T301 | 61 | 83 | | | | | 155 | |
| 8 | Switching Transistor | TR306 | 54 | 59 | | | | | 150 | Junction Temp. |
| 9 | Rectified Diode(Output) | SS501 | 84 | 80 | | | | | 150 | Junction Temp. |
| 10 | Output Capacitor | C506 | 39 | 48 | | | | | 105 | |
| 11 | Transformer | T701 | 48 | 58 | | | | | 130 | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |



(Side view)

Fig.1.1 Mounting method
(Normal position)

*All information presented herein are not guaranteed.

*本資料は参考資料であり、その内容を保証するものではありません。