

Apr.13,2007

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

Cosel.co.,ltd.

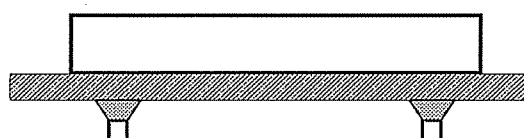
Model: ZUS624/ZUW624

1. Conditions

- (1) Input :DC 18 ~ 36 [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 | $\pm 12V$ | $\pm 15V$ | | |
| 1 | Transformer | T11 | 49 | 40 | 43 | 38 | 43 | 130 | |
| 2 | Transistor | TR31 | 57 | 45 | 45 | 45 | 53 | 150 | Junction Temp. |
| 3 | Switching Transistor | TR41 | 49 | 44 | 45 | 43 | 45 | 150 | Junction Temp. |
| 4 | Photocoupler | PC11 | 34 | 32 | 30 | 31 | 30 | 125 | Junction Temp. |
| 5 | Rectified Diode(Output) | D51,D52 | 47 | 42 | 35 | 36 | 34 | 150 | Junction Temp. |
| 6 | Output Choke | L51 | 43 | 32 | 33 | 32 | 32 | 120 | |
| 7 | Output Capacitor | C55 | 35 | 29 | 28 | – | – | 125 | |
| 8 | Output Capacitor | C55,C57 | – | – | – | 29 | 29 | 125 | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |



(Side view)

Fig.1.1 Mounting method
(Normal position)