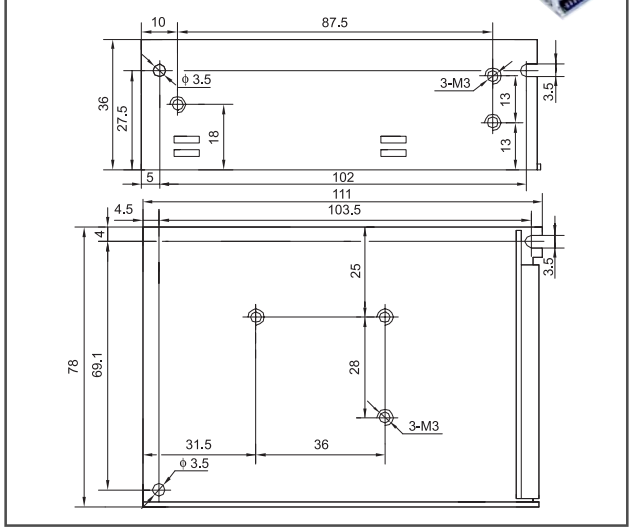
# 20W Dual Output Series - with approval

- Universal AC input / full range
- High reliability
- Approvals: ETS/EMC/ CE
- 100% full load burn-in test
- Protections: overload/ over voltage/ short circuit
- V1 is isolated from the other output
- 2 years warranty
- F602 111 x 78 x 36(mm)

| | |
|---|---|
| AC input voltage range | 85~264VAC (120~370VDC) |
| Inrush current | cold start, 15A/115V, 30A/230V |
| Input leakage current | ＜0.5mA/ 230VAC |
| Line regulation (full load) | ≤±0.5% |
| Load regulation | $V_1$: ≤± 0.5%, $V_2$: ≤± 3% (with regulator); ≤±6% (without) |
| Output voltage adjust range | $V_1$: ± 5% of rated output voltage |
| Output overload protection | 110~150% |
| Output over voltage protection | 115~150% |
| Withstand voltage | I/P -O/P: 3.0KVAC/1min;I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min |
| Rise, Hold up time | 50ms, 20ms@full load (typical) |
| Operating temp. & humidity | -10℃~+50℃, 20%~93%RH (non condensing) |
| Storage temp. & humidity | -20℃~+85℃, 20%~95%RH (non condensing) |
| Safety standards | GB4943, UL60950, EN60950 |
| EMC standards | GB9254, EN55022 classB, EN55024 EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11 |
| Cooling method | convection |

| Model | DC Output | | R&N | Efficiency |
|---|---|---|---|---|
| HF20W-DL-A | 5V | 0.4~3.0A | 50mV | 69% |
| | 5V | 0.2~1.5A | 50mV | |
| HF20W-DL-B | 5V | 0.4~3.0A | 50mV | 70% |
| | 12V | 0.0~1.0A | 80mV | |
| HF20W-DL-C | 5V | 0.4~3.0A | 50mV | 71% |
| | 15V | 0.0~1.0A | 80mV | |
| HF20W-DL-D | 5V | 0.4~3.0A | 50mV | 72% |
| | 24V | 0.1~0.7A | 100mV | |

## Drawing

F602