



■ Features:

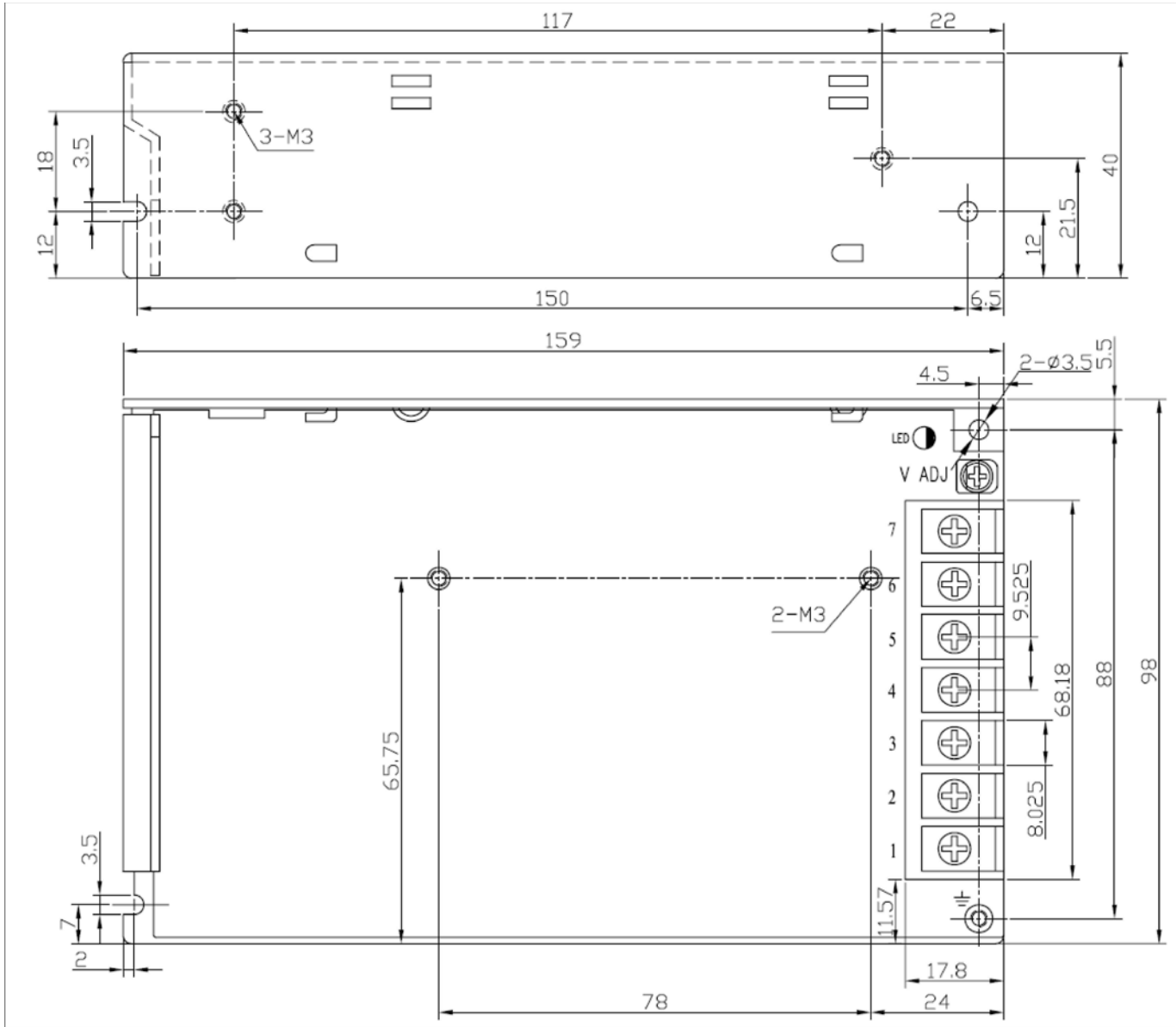
- DC input range: 18VDC~36VDC
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP
- Operating ambient temperature (-10 ~50)
- All using 105 long life electrolytic capacitors.
- 100% full load burn-in test
- 1 year warranty

SPECIFICATION

| | | | |
|--------------|--|---------------|---|
| MODEL | | DCM-24D100S12 | |
| OUTPUT | DC Output | | 12V |
| | Rated Current | | 8.5A |
| | Current Range | | 0~8.5A |
| | Ripple and Noise Note 2 | | 120mV |
| | Voltage ADJ. Range | | ± 5% of rated output voltage |
| | Voltage Accuracy | | ± 3.0% |
| | Line Regulation | | ± 0.5% |
| | Load Regulation | | ± 2.0% |
| | Temperature Coefficient | | ± 0.03%/ |
| | Overshoot and Undershoot | | <5.0% |
| INPUT | Voltage Range | | 18VDC~36VDC |
| | Efficiency (Typical) | 24VDC | 80% |
| | DC Current (max.) | | 8.5A |
| PROTECTION | Over Current | | 105%~180% of rated output current, auto recovery |
| | Over Voltage | | 115%~150% of rated output voltage, shut down |
| | Shorted Circuit | | Long-term mode, auto recovery |
| ENVIRONMENT | Operating amb. Temp. & Hum. | | -10 ~ 50 ; 20%-90%RH No condensing |
| | Storage Temp. & Hum. | | -25 ~85 ; 10%-95%RH No condensing |
| SAFETY & EMC | Safety Standards | | GB4943 |
| | Withstand Voltage | | Primary-Secondary:0.5KVDC; Primary-PG:0.5KVDC; Secondary-PG:0.5KVDC |
| | Isolation Resistance | | 100M ohms |
| OTHERS | MTBF (MIL-HDBK-217F) | | More than 100,000Hrs (25 , Full load) |
| | Dimension (L*W*H) | | 160× 98× 40mm |
| | Connection | | 7P/8.025mm barrier terminal block |
| | Cooling method | | Cooling by free air convection |
| NOTE | 1. All parameters NOT specially mentioned are measured at rated input, rated load and 25 of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. | | |

Mechanical Specification

Unit: mm



| Pin No. | Assignment |
|---------|--------------|
| 1 | Vin - |
| 2 | Vin + |
| 3 | F.G |
| 4-5 | DC output -V |
| 6-7 | DC output +V |