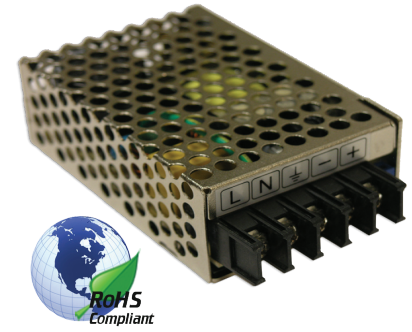




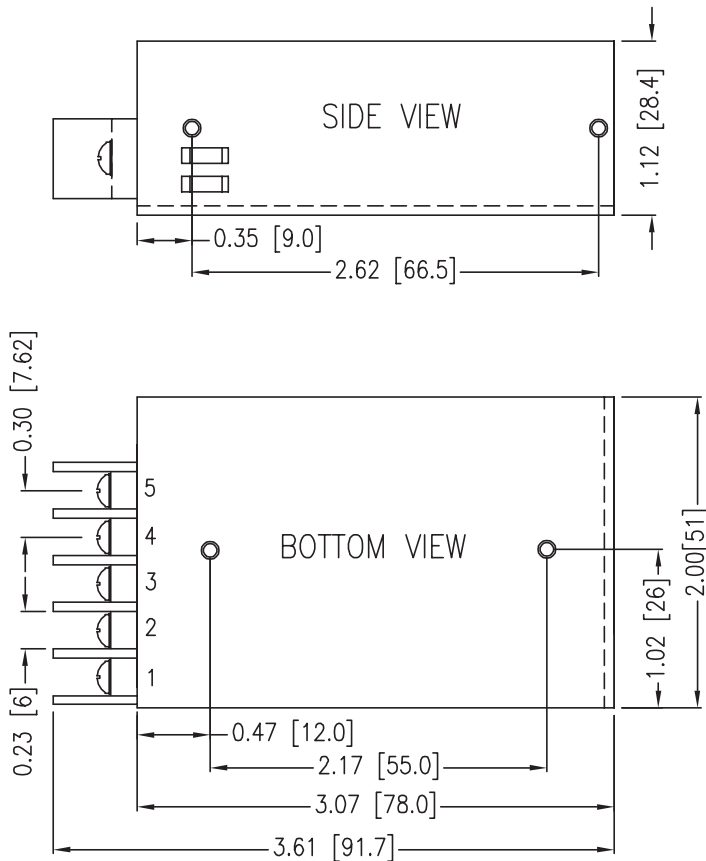
25 Watt AC/DC Single Output Switching Power Supply

- Efficiency up to 83%
- Universal Input Range
- Single Output
- Short Circuit Protection
- Overload Protection
- Over Voltage Protection
- MTBF > 230,000 Hours
- UL60950 Approved



| Model Number | Voltage Output (VDC) | Current | | | | Voltage Adjustment Range VDC | Load Regulation | Efficiency (%) |
|--------------|-------------------------|-------------------|-------------------|---------|---------|---------------------------------|-----------------|----------------|
| | | Input | | Output | | | | |
| | | 115 VAC Full Load | 230 VAC Full Load | Min (A) | Max (A) | | | |
| CM25JS5 | 5 | 0.7 | 0.4 | 0 | 4 | 4.75 - 5.5 | 2% | 77 |
| CM25JS12 | 12 | 0.7 | 0.4 | 0 | 2.1 | 9 - 15 | 1% | 79 |
| CM25JS24 | 24 | 0.7 | 0.4 | 0 | 1.1 | 21 - 27 | 1% | 84 |
| CM25JS48 | 48 | 0.7 | 0.4 | 0 | 0.55 | 44 - 52 | 1% | 85 |

Dimensions are inches (mm) unless noted



| Termination | |
|-------------|-------------------|
| 1 | AC/L |
| 2 | AC/N |
| 3 | CASE GROUND |
| 4 | -V _{OUT} |
| 5 | +V _{OUT} |

See Model Selection Table for Model Specific Parameters

| Input Parameters | Min | Typ | Max | Units |
|---|--|-----|-------------------------|---------|
| Input Voltage Range Designed for optimal performance in the nominal input range of 110 - 240VAC. | 88 | 230 | 264 | VAC |
| Input Frequency | 47 | 60 | 63 | Hz |
| Inrush Current 230 VAC Full Load Cold Start | | | 30 | A |
| Input Fuse | T5A/250VAC | | | |
| Output Parameters | Min | Typ | Max | Units |
| Ripple & Noise (20MHz) 5V 12V 24V 48V | | | 80 120 120 200 | mV P-P |
| Set-up Time (230 VAC Full Load) | | 500 | | ms |
| Rise Time (230 VAC Full Load) | | 80 | | ms |
| Hold Time (230 VAC Full Load) | | 20 | | ms |
| Over Voltage Protection | | | | % of Vo |
| Over Load Protection | 110 | | 200 | % of Vo |
| Short Circuit Protection | Automatic Recovery | | | |
| General Specifications | Min | Typ | Max | Units |
| Isolation Voltage, 60 seconds | 3000 | | | VAC |
| Isolation Resistance 500VDC | | | | Mohms |
| Operating Temperature (Ambient) | -10 | 25 | +50 | °C |
| Storage Temperature | -20 | 25 | +70 | °C |
| Humidity | | | 90 | % |
| MTBF (MIL-HDBK-217F) | 230 | | | K Hours |
| Cooling | Free-Air Convection | | | |
| Case Size | 3.61 x 2.00 x 1.12 inches 78.5 x 51 x 28.5 mm | | | |
| Weight | 200g | | | |
| Agency Approval | UL60950 Approved | | | |

Notes:

1. Specifications typical at Ta=+25°C, 230VAC, 60Hz input voltage, rated output current unless otherwise noted.
2. Ripple & Noise measured with a 0.1 µF ceramic and 22 µF electrolytic in parallel with output, 20MHz bandwidth.
3. Long term short circuit operation may cause damage to the unit.
4. Water washability - ConTech Mounted Power Supplies are not sealed and should not be subjected to any type of wash process.
5. See ConTech website for Definition of Terms, Application Notes, and Test Setups and Parameters. www.ConTech-us.com/appnotes.html.
6. Specifications subject to change without notice.
7. See ConTech website www.ConTech-us.com/pdf/rohs.pdf for RoHS Statement.

