AC/DC ENCLOSED POWER SUPPLY 35W



TRS35-5, TRS35-12, TRS35-15, TRS35-24, TRS35-36, TRS35-48

Features:

- Small Compact Design
- Cooling by free air convection
- Universal Input
- Withstand 2G Vibration Test
- UL & CE Approved



Description:

The 35W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 6 models with outputs of either 5V, 12V, 15V, 24V, 36V or 48V. Each model is RoHS, CE, and UL approved.

| | | SPECIFICA | ATION | | | |
|-----------------------------|--|-----------|----------|----------|----------|----------|
| Part number | TRS35-5 | TRS35-12 | TRS35-15 | TRS35-24 | TRS35-36 | TRS35-48 |
| DC Voltage | 5V | 12V | 15V | 24V | 36V | 48V |
| Rated current | 7A | 3A | 2.4A | 1.5A | 1A | 0.8A |
| Current Range | 0~7A | 0~3A | 0~2.4A | 0~1.5A | 0~1A | 0~0.8A |
| Rated Power | 35W | 36W | 36W | 36W | 36W | 38.4W |
| Ripple & Noise | 100mVp-p | 120mVp-p | 120mVp-p | 150mVp-p | 200mVp-p | 200mVp-p |
| Voltage regulation range | ±10.0% | | | | | |
| Voltage Accuracy | ≤2%(For 5V unit only) ≤1%(All other models) | | | | | |
| Line Regulation | ≤0.5% | | | | | |
| Load Regulation | ≤2% (For 5V unit only) ≤1%(All other models) | | | | | |
| No Load Power Consumption | <0.2W | | | | | |
| Turn on time | ≤2.5sec | | | | | |
| Hold up time | 20ms/230VAC 100% Load | | | | | |
| Input Voltage Range | 90~264VAC | | | | | |
| Frequency | 47~63Hz | | | | | |
| Input Current | 0.8A/115 VAC 0.42A/230VAC Max | | | | | |
| Efficiency | 82% | 84% | 85% | 85% | 86% | 86% |
| Inrush current | 60A/230VAC cold start | | | | | |
| Leakage Current | <1mA/240VAC | | | | | |
| Over Current Protection | 110 ~ 160% of rated output, auto-recovery | | | | | |
| Short Circuit Protection | Hiccup Mode, auto-recovery | | | | | |
| Operating Temperature Range | -30°C ~ +70°C (See derating curve) | | | | | |
| Operating Humidity | 20 ~ 95%RH (Noncondensing) | | | | | |
| Storage Temperature Range | -40°C ~+85°C | | | | | |
| Storage humidity | 10 ~ 95%RH (Noncondensing) | | | | | |
| Temperature Coefficient | ±0.03%/°C(0~50°C) | | | | | |
| Vibration | 10~500Hz, 2G, 10min/cycle, X, Y, Z 60min in each direction | | | | | |
| Safety Certification | EN62368-1 | | | | | |
| Withstand Voltage | I/P-O/P:3.0KV AC, I/P-FG:1.5KV AC, O/P-FG:0.5KVAC | | | | | |
| Isolation Resistance | I/P-O/P, I/P-FG, O/P-FG:100MΩ | | | | | |
| EMC (Emissions) | EN55032 Radiated and Conducted Class B, EN61000-3-2,3 | | | | | |
| EMC (Immunity) | EN55035 EN61000-4-2,3,4,5,6,8,11 | | | | | |
| MTBF | 100,000 hours minimum at full load, 25C, per MIL-HDBK-217F | | | | | |
| Size | 99×82×30mm(L*W*H) | | | | | |
| Weight | 200g | | | | | |

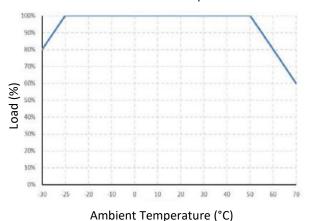
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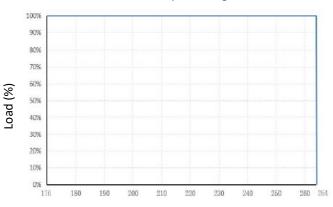
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Diagrams

Load vs. Ambient Temperature



Load vs. Input Voltage



Input Voltage (VAC) 50/60Hz

Mechanical Drawings

