

SDS-035A Series - 35W Single Output DC-DC Enclosed Power Supply

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Features

- Power ON with LED indicator
- 2:1 input range, input and output isolation
- Soft start function, low Inrush current
- Input polarity reverse protection
- Over load, over voltage, short circuit shutdown and Auto recovery
- Non min. load requirement
- Output voltage $\pm 10\%$ adjustment
- 100% 50° burn-in test
- Meet UL, cUL, TUV standard

Standards



Specification

| | |
|---------------------------------|---|
| Input Voltage | 9.5 ~ 18V DC (Typical 12V) |
| Input Current | <4.8A @ 9.5V DC |
| Over Load Protection | Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed. |
| Short Circuit Protection | Shutdown, recovers automatically after fault condition has been removed. |
| Rise time | < 20mS |
| Cooling | Natural cooling |
| Temperature | Operating: -10~70°; de-rating: 50°C ~70°C : 2.5%/°C. Storage: -10~+75°C |
| Humidity | Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing) |
| M.T.B.F. | 417K hours |
| SAFETY | UL 60950-1st , CSA C22.2 No.60950-1-03 1st , TUV EN 60950-1st , IEC 60950-1st , EMKO-TSE (74-SEC)207/ |
| EMI | EN 55022 CLASS B □ FCC CFR 47 PART 15 CLASS B □ CNS 13438 CLASS B. |
| EMS | EN 55024 □ EN 61000-4-2,3,4,5,6,8. |

Items

SDS-035 A Series

| Part No | Voltage | Max. Load | Regulation | Ripple Noise (MAX) | Efficiency (TYP) | Over Voltage Protection |
|------------------------------|---------|-----------|------------|--------------------|------------------|-------------------------|
| SDS-035A-3.3 | 3.3V | 8A | ±3% | 40mV | 68% | 3.8 ~ 4.6V |
| SDS-035A-05 | 5V | 7A | ±2% | 50mV | 70% | 5.8 ~ 7.0V |
| SDS-035A-7.5 | 7.5V | 4.6A | ±2% | 75mV | 70% | 8.6 ~ 10.5V |
| SDS-035A-12 | 12V | 3A | ±1% | 100mV | 74% | 13.8 ~ 17.5V |
| SDS-035A-18 | 18V | 2A | ±1% | 100mV | 74% | 20.7 ~ 25.2V |
| SDS-035A-24 | 24V | 1.5A | ±1% | 200mV | 76% | 27.6 ~ 33.6V |
| SDS-035A-48 | 48V | 0.75A | ±1% | 250mV | 78% | 55.6 ~ 67.2V |