

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

[Home](#) > [Products](#) > [Enclosed](#) > 35W Single Output DC-DC Enclosed Power Supply

### 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

<b>Input Voltage</b>	9.5 ~ 18V DC (Typical 12V)
<b>Input Current</b>	<4.8A @ 9.5V DC
<b>Over Load Protection</b>	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.
<b>Short Circuit Protection</b>	Shutdown, recovers automatically after fault condition has been removed.
<b>Rise time</b>	< 20mS
<b>Cooling</b>	Natural cooling
<b>Temperature</b>	Operating: -10~70°; de-rating: 50°C ~70°C : 2.5%/°C. Storage: -10~+75°C
<b>Humidity</b>	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)
<b>M.T.B.F.</b>	417K hours
<b>SAFETY</b>	UL 60950-1st , CSA C22.2 No.60950-1-03 1st , TUV EN 60950-1st , IEC 60950-1st , EMKO-TSE (74-SEC)207/
<b>EMI</b>	EN 55022 CLASS B □ FCC CFR 47 PART 15 CLASS B □ CNS 13438 CLASS B.
<b>EMS</b>	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
<u>SDS-035A-3.3</u>	3.3V	8A	±3%	40mV	68%	3.8 ~ 4.6V
<u>SDS-035A-05</u>	5V	7A	±2%	50mV	70%	5.8 ~ 7.0V
<u>SDS-035A-7.5</u>	7.5V	4.6A	±2%	75mV	70%	8.6 ~ 10.5V
<u>SDS-035A-12</u>	12V	3A	±1%	100mV	74%	13.8 ~ 17.5V
<u>SDS-035A-18</u>	18V	2A	±1%	100mV	74%	20.7 ~ 25.2V
<u>SDS-035A-24</u>	24V	1.5A	±1%	200mV	76%	27.6 ~ 33.6V
<u>SDS-035A-48</u>	48V	0.75A	±1%	250mV	78%	55.6 ~ 67.2V

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