

SDS-035B 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	18 ~ 36V DC (Typical 24V)
Input Current	<2.6A @ 18V DC input
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°C; 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 B Series

Part No	Voltage	Max. Load	Regulation	Ripple Noise (MAX)	Efficiency (TYP)	Over Voltage Protection
SDS-035B-3.3	3.3V	8A	±3%	40mV	68%	+ 3.8V~+4.6V
SDS-035B-05	5V	7A	±2%	50mV	70%	+ 5.8V~+ 7.0V
SDS-035B-7.5	7.5V	4.6A	±2%	75mV	70%	8.6 ~ 10.5V
SDS-035B-12	12V	3A	±1%	100mV	74%	13.8 ~ 17.5V
SDS-035B-18	18V	2A	±1%	100mV	74%	20.7 ~ 25.2V
SDS-035B-24	24V	1.5A	±1%	200mV	76%	27.6 ~ 33.6V
SDS-035B-48	48V	0.75A	±1%	250mV	78%	55.5 ~ 67.2V