

SDS-035C 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	36 ~ 72V DC (Typical 48V)
Input Current	<1.3A @ 36V 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 C Series

Part No	Voltage	Max. Load	Regulation	Ripple Noise (MAX)	Efficiency (TYP)	Over Voltage Protection
SDS-035C-3.3	3.3V	8A	±3%	40mV	68%	+ 3.8V ~ +4.6V
SDS-035C-05	5V	7A	±2%	50mV	70%	+ 5.8V ~ + 7.0V
SDS-035C-7.5	7.5V	4.6A	±2%	75mV	70%	+ 8.6V ~ +10.5V
SDS-035C-12	12V	3A	±1%	100mV	74%	+ 13.8V ~ + 17.5V
SDS-035C-18	18V	2A	±1%	100mV	74%	+20.7V ~+ 25.2V
SDS-035C-24	24V	1.5A	±1%	200mV	76%	+ 27.6V ~+ 33.6V
SDS-035C-48	48V	0.75A	±1%	250mV	78%	+ 55.2V ~+ 67.2V

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