

Symbols



Image



Key Features

- 24V DC Input
- Input under voltage protection
- Input polarity reverse protection
- Soft start function, low inrush current
- Over load, over voltage, short circuit protection
- Output voltage $\pm 10\%$ adjustment
- No minimum load requirement
- 100% 50°C burn-in test
- Meets UL, cUL, TUV standards
- High efficiency, high reliability
- Light weight

Dimensions

159 x 95 x 38mm

Technical Specifications

Input Range	18VDC ~ 36VDC Typically 24VDC
Input Current	<4.6A@18V
Input Protection	Ceramic fuse 6.3A/205V
Over Voltage Protection	Unit will shutdown if an over voltage conditions occurs. Auto recovery once fault is removed
Over Load Protection	105% ~ 180% of rated output. Auto recovery
Short Circuit Protection	Unit will shutdown if a short circuit conditions occurs. Auto recovery once fault is removed
Input Voltage Protection	<15VDC ~ 17VDC Unit will shutdown
Rise Time	<20ms
Cooling	Natural cooling
Operation Temperature	0°C to +70°C, derating: 45°C~70°C:2%/°C
Operation Humidity	20% to 85% RH non condensing
Storage Temperature	-10°C to +75°C
Storage Humidity	10%~95% non condensing
Safety	UL60950, CSA C22.2 No 60950, TUV EN 60 950, IEC 60950, EMKO-TSE (74-SEC)207/94
EMC	FCC CFR 47 PART 15 Class B, EN 50081-1, CNS 13438 Class B, EN50082-1 (1997)
MTBF	>340,000 hours
Connector	7P/9.5mm pitch terminal block (Right angel type optional), Terminal block with pc cover optional.

Table Specification

Part No	Voltage	Max Load	Reg	R&N	Eff.	Max Power	OVP
SDS-060B3.3	3.3V	15A	±3%	50mV	68%	50W	3.8V ~ 4.6V
SDS-060B05	5V	12A	±2%	50mV	74%	60W	5.8V ~ 7.0V
SDS-060B12	12V	5A	±1%	100mV	76%	60W	13.8V ~ 17.5V
SDS-060B15	15V	4A	±1%	120mV	76%	60W	17.3V ~ 21.0V
SDS-060B24	24V	2.5A	±1%	150mV	76%	60W	27.6V ~ 33.6V
SDS-060B48	48V	1.3A	±1%	240mV	76%	60W	55.2V ~ 67.2V

