



DC-DC Converter(50W single output)

50W single output DC-DC switching power supply

- Low cost, high reliability
- Low power consumption
- Built-in EMI filter
- 2:1 wide input range
- 1500VDC I/O isolation
- Protection: Over load/ Over voltage/ Short circuit
- 1 years warranty.

Applications

DC adjustment range	5V:4.5-5.5V; 12V:11-16V; 24V:23-30V
Line regulation	≤0.5%
Output over load protection	105%-150% fold back current limiting, auto-recovery
Output over voltage protection	115%-165% rated output voltage
Output over circuit protection	Fold back current limiting, auto-recovery
Hi-pot isolation	I/P-O/P, I/P-FG:1.5KVDC, O/P-FG:0.5KVDC,1min
Isolation resistance	100M (min.) at 500 VDC
Operating temperature range	0 to 50°C@100%, -10°C@80%, 60°C@60% load
Storage temperature range	-40°C to +85°C, 0 to 95% RH(Non condensing)
Safely standards	Design refer to UL60950
EMC standards	Design refer to FCC part 15 J
Cooling method	Free air cooling convection
Weight	0.48Kgs/pcs

Specifications

Product model	DC input	DC output	Load regul.	R&N	Efficiency
SD-50-12-5	9.2-18V	5V, 0-10A	1%	75mV	71%
SD-50-12-12	9.2-18V	12V, 0-4.2A	0.50%	100mV	73%
SD-50-12-24	9.2-18V	24V, 0-2.1A	0.50%	120mV	75%
SD-50-24-5	18-36V	5V, 0-10A	1%	75mV	74%
SD-50-24-12	18-36V	12V, 0-4.2A	0.50%	100mV	76%
SD-50-24-24	18-36V	24V, 0-2.1A	0.50%	120mV	81%
SD-50-48-5	36-72V	5V, 0-10A	1%	75mV	77%
SD-50-48-12	36-72V	12V, 0-4.2A	0.50%	100mV	79%
SD-50-48-24	36-72V	24V, 0-2.1A	0.50%	120mV	84%

Dimension

