

## Model: HT-50 Series

### 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

Protections: Over Load/ Over Voltage/ Short Circuit

1 Years Warranty

DC Adjustment Range.....5V: 4.5~5.5V, 12V: 11~16V, 24V: 23~30V

Line Regulation..... $\leq 0.5\%$

Output Over Load Protection.....105%-150% Fold Back Current Limiting, Auto-Recovery

Output Over Voltage Protection...115%~165% Rated Output Voltage

Output Short 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, 1 min

Isolation Resistance.....100M $\Omega$  (min.) at 500VDC

Operating Temperature Range.....0 to 50°C@100%, -10%@80%, 60°C@60% load

Storage Temperature Range.....-40°C to +85°C, 0 to 95%RH (Non Condensing)

Safety Standards.....Design Refer To UL60950

EMC Standards.....Design Refer To FCC Part 15 J

Cooling Method.....Free Air Cooling Convection

Weight.....0.48Kgs/pcs



Product Model	DC Input	DC Output	Load Regul.	R&N	Efficiency
HT-50-12-5	9.2~18V	5V, 0~10A	1%	75mV	71%
HT-50-12-12	9.2~18V	12V, 0~4.2A	0.5%	100mV	73%
HT-50-12-24	9.2~18V	24V, 0~2.1A	0.5%	120mV	75%
HT-50-24-5	18~36V	5V, 0~10A	1%	75mV	74%
HT-50-24-12	18~36V	12V, 0~4.2A	0.5%	100mV	76%
HT-50-24-24	18~36V	24V, 0~2.1A	0.5%	120mV	81%
HT-50-48-5	36~72V	5V, 0~10A	1%	75mV	77%
HT-50-48-12	36~72V	12V, 0~4.2A	0.5%	100mV	79%
HT-50-48-24	36~72V	24V, 0~2.1A	0.5%	120mV	84%