

**DC-DC Converter (25W single output)**

**25W 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, 0-95% 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                         | 0.38Kgs/pcs   |

**Specifications**

| Product model | DC input | DC output   | Load regul. | R&N   | Efficiency |
|---------------|----------|-------------|-------------|-------|------------|
| SD-25-12-5    | 9.2-18V  | 5V, 0-5A    | 1%          | 75mV  | 72%        |
| SD-25-12-12   | 9.2-18V  | 12V, 0-2.1A | 0.50%       | 100mV | 73%        |
| SD-25-12-24   | 9.2-18V  | 24V, 0-1.1A | 0.50%       | 120mV | 76%        |
| SD-25-24-5    | 18-36V   | 5V, 0-5A    | 1%          | 75mV  | 73%        |
| SD-25-24-12   | 18-36V   | 12V, 0-2.1A | 0.50%       | 100mV | 76%        |
| SD-25-24-24   | 18-36V   | 24V, 0-1.1A | 0.50%       | 120mV | 79%        |
| SD-25-48-5    | 36-72V   | 5V, 0-5A    | 1%          | 75mV  | 75%        |
| SD-25-48-12   | 36-72V   | 12V, 0-2.1A | 0.50%       | 100mV | 79%        |
| SD-25-48-24   | 36-72V   | 24V, 0-1.1A | 0.50%       | 120mV | 82%        |

**Dimension**

