

## DC/DC Switching Converter



### Features

- Input Voltage Protection
- LED Indicator
- Protections:
  - Short circuit / Over voltage / Over current
  - Over temperature
- Efficiency 86% Min. Nominal Input
- MTBF > 50,000 hours

### ED1096 X - vv PP

**X:** Output range

**vv:** Specified output voltage, i.e. 24 is 24VDC

**PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

### General Specification

#### OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V <sub>dc</sub> )	OUTPUT VOLTAGE (V <sub>o</sub> )	LOAD		LOAD REGULATION	RIPPLE & NOISE
				MIN. (I <sub>o</sub> )	MAX. (I <sub>o</sub> )		
ED1096A	90W	11~16V	16V	0A	5.62A	± 5%	250mV
ED1096B	90W	11~16V	19V	0A	4.73A	± 5%	250mV
ED1096C	90W	11~16V	20V	0A	4.5A	± 5%	250mV
ED1096D	90W	11~16V	24V	0A	3.75A	± 5%	250mV

#### NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- 3 : Max. Power (W) ≥ V<sub>o</sub> x I<sub>o</sub>

#### INPUT

- Input Range: 11 to 16 VDC
- Input Current: 10A Max.
- Turn On Time: ≤ 3s

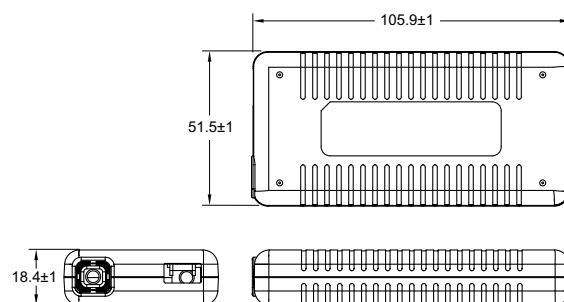
#### OUTPUT

- Short Circuit Protection: Latch-off
- Over Voltage Protection: Latch-off
- Over Current Protection: Latch-off
- Over Temperature Protection: Auto Recovery

#### ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

#### MECHANICAL



- Case Size: 105.9L x 51.5W x 18.4H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

#### SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)