

## DC/DC Switching Converter



### Features

- Input Voltage Protection
- LED Indicator
- Protections:
  - Short circuit / Over voltage / Over current
  - Over temperature
- Efficiency 83% Min. Nominal Input
- MTBF > 50,000 hours

### ED1046 X - vv PP

**X:** Output range

**vv:** Specified output voltage, i.e. 12 is 12VDC

**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	LINE REGULATION	RIPPLE & NOISE
				MIN. (I <sub>o</sub> )	MAX. (I <sub>o</sub> )			
ED1046A	45W	11~32V	20V	0A	2.25A	± 5%	± 1%	360mV
ED1046B	45W	11~32V	15V	0A	3A	± 5%	± 1%	300mV
ED1046C	36W	11~32V	12V	0A	3A	± 5%	± 1%	240mV

#### 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 32 VDC
- Input Current: 7A Max.
- Turn On Time: ≤ 3s

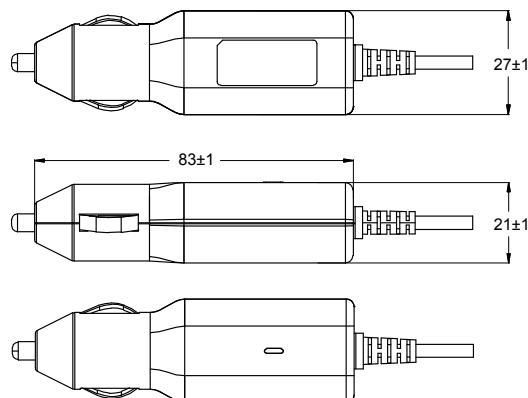
#### OUTPUT

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- 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: 83L x 27W x 21H (mm)
- Weight: 40g

#### SAFETY

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