

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 (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
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) ≥ Vo x Io

INPUT

- Input Range 11 to 32 VDC
- Input Current 7A Max.
- Turn On Time ≤ 3s

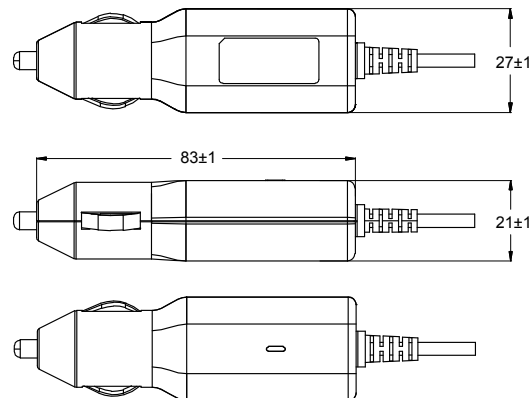
OUTPUT

- 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)