

## DC/DC Switching Converter



### Features

- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:  
Short circuit / Over voltage / Over current  
Over temperature
- MTBF > 50,000 hours

### ED1025 - vv PP

**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)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1025	30W	11~16V	8~12V	0	3A	± 5%	± 1%	120mV

#### 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

### Electrical Specification

#### INPUT

- Input Range: 11 to 16 VDC
- Input Current: 5A Max.
- Efficiency: 85% Min, Nominal input
- 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

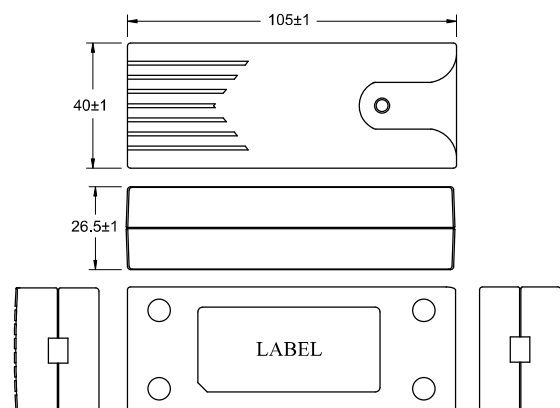
#### ENVIRONMENT

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

#### SAFETY

- Complied with FCC, CE

### Mechanical Specification



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: Cigarette Lighter with UL1185 dc cable.
- Weight: 220g