

## DC/DC Switching Converter



### Features

- Input Voltage Protection
- LED Indicator
- Protections:  
Short circuit / Over voltage / Over current  
Over temperature
- Efficiency 80% Min. Nominal Input
- MTBF > 50,000 hours

### ED1058 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> )			
ED1058	41W	11~36V	10.25V	0A	4A	± 5%	± 1%	200mV
ED1058A	72W	11~36V	5~12V	0A	6A	± 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 36 VDC
- Input Current 7A Max.
- Turn On Time ≤ 3s

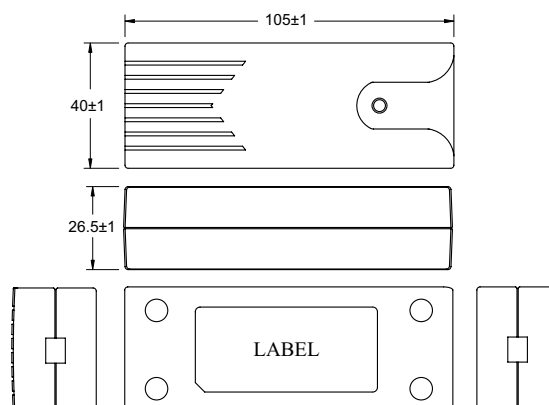
#### OUTPUT

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Latch-off
- 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: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

#### SAFETY

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