



Features

- Wide Input Range
- RoHS Compliance
- Input Voltage Protection Installation
- Over Voltage Protective Installation
- Over Current Protective Installation
- Over Temperature Protective Installation
- Short Circuit Protective Installation
- LED Indication
- MTBF: > 50,000 hours

ED1032 xx - vv PP

xx: DC Input voltage

91 for EDACPOWER standard cigarette lighter

vv: Specified output voltage, ie 12 is 12Vdc

PP: Connector type, ie 01 for EDACPOWER standard dc cable or please refer to the appendix page

Electrical Specifications

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (I _o)	MAX. (I _o)			
ED1032A	20W	11~36V	5V	0A	4A	± 5%	± 1%	150mV
ED1032B	36W	11~36V	12V	0A	3A	± 5%	± 1%	180mV
ED1032C	40W	11~36V	15V	0A	2.67A	± 5%	± 1%	180mV
ED1032D	50W	11~36V	19V	0A	2.63A	± 5%	± 1%	300mV
ED1032E	50W	11~36V	24V	0A	2.1A	± 5%	± 1%	300mV

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. Output Power (W) ≥ V_o × I_o

Electrical Specifications

INPUT

- Input Range 11 to 36Vdc
- Input Current 6A Max.
- Inrush Current No Damage to relative components
- Efficiency 85% Min. Nominal input

OUTPUT

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

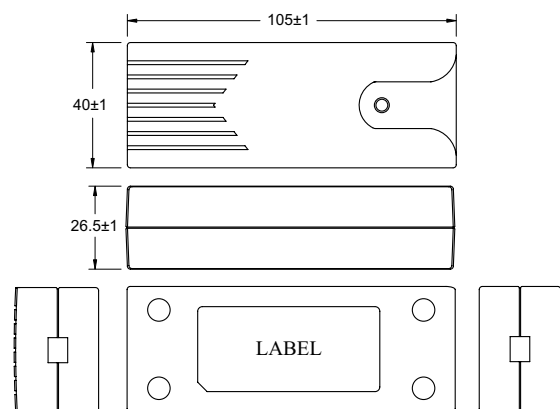
ENVIRONMENTAL

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

SAFETY

- FCC, CE

Mechanical Specification



- Case Size: 105L x 40W x 26.5H (mm)
- Weight: 220g