



20~50W Vehicle power adapter DC to Dc power supply < ED1032



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

xx: DC Input voltage

vv: Specified output voltage, ie 12 is 12Vdc

Electrical Specifications

| MODEL No. | MAX. OUTPUT POWER (W) | INPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vo) | LOAD | | LOAD REGULATION | LINE REGULATION | RIPPLE & NOISE |
|-----------|-----------------------|---------------------|---------------------|-----------|-----------|-----------------|-----------------|----------------|
| | | | | MIN. (Io) | MAX. (Io) | | | |
| 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) ≥Vo x Io

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

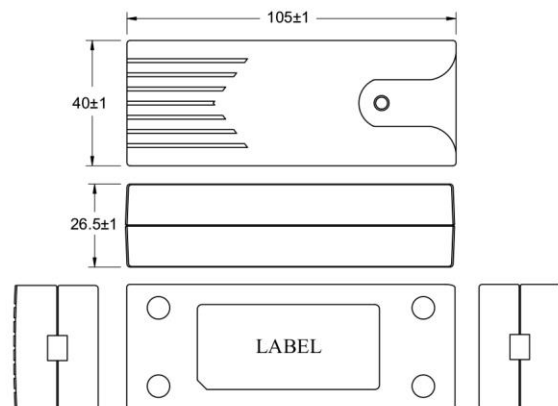
ENVIRONMENTAL

- 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