



90W Vehicle power adapter DC to Dc power supply < ED1096



Features

- Slim & Compact Size
- RoHS Compliance
- Cigar or Auto/Air Input
- Input Voltage Protective Installation
- Over Voltage Protective Installation
- Over Current Protective Installation
- Over Temperature Protective Installation
- With USB Port (+5V) Output (0.8A Max.)
- MTBF: >50,000 hours

ED1096 x - vv

x: Output Voltage
vv: Specified output voltage, ie 24 is 24Vdc

Electrical Specifications

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)		
ED1096A	90W	11~16V	16V	0	5.62A	± 5%	250mV
ED1096B	90W	11~16V	19V	0	4.73A	± 5%	250mV
ED1096C	90W	11~16V	20V	0	4.5A	± 5%	250mV
ED1096D	90W	11~16V	24V	0	3.75A	± 5%	250mV

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 : Max. Output Power (W) ≥Vo x Io

Electrical Specifications

INPUT

- Input Range 11 to 16 Vdc
- Input Current ≤10A
- Inrush Current No. Damage to relative components
- Efficiency 86% Min.

OUTPUT

- Over Current Protection Latch off
- Over Temperature Protection Auto Recovery

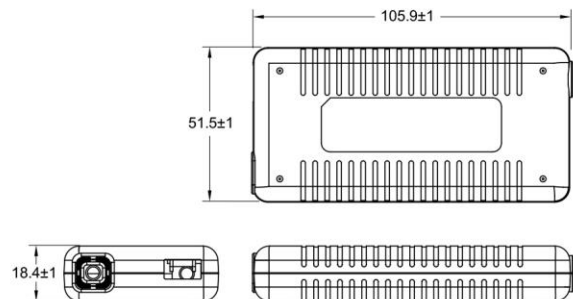
ENVIRONMENTAL

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

SAFETY

- e1, FCC

Mechanical Specification



- Case Size: 105.9L x 51.5W x 18.4H (mm)
- Weight: 220g