

# DPED1086 Series

## 85 Watt DC/DC Switching Adapter



### Features:

- Wide Input Range
- RoHS Compliance
- Input Voltage Protective Installation
- Over Voltage Protective Installation Over
- Current Protective Installation Over
- Temperature Protective Installation
- Short Circuit Protective Installation
- LED Indication
- MTBF > 30,000 hours

### DPED1086 xx - vv PP

**xx:** DC Input Type:

91 for DPED standard cigarette lighter

**vv:** Specified output voltage, ie 24 is 24Vdc

**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 (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
DPED1086	85W	11~16V	18~24V	0A	4.72A	5% Max.	1% Max.	290mV

#### 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  $\pm 10\%$  of input voltage from nominal line at rated load.
- 3 : Max. Power (W)  $\geq V_o \times I_o$

### Electrical Specifications

#### INPUT

- Input Range 11 to 16 Vdc
- Input Current  $\leq 9A$
- Inrush Current No Damage to relative components
- Efficiency 90% Typ.
- Turn On Time  $\leq 3s$

#### OUTPUT

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

#### ENVIRONMENTAL

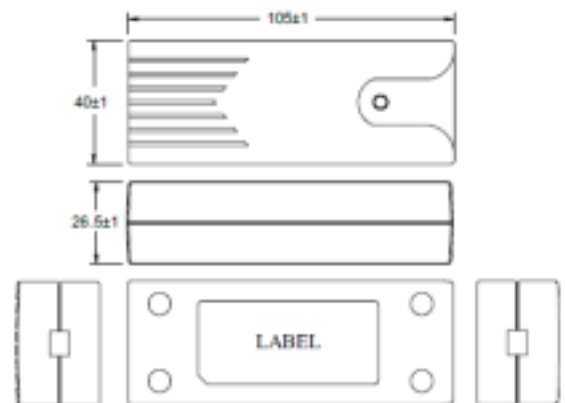
- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85°C
- Storage Humidity 5% to 95 %

#### SAFETY

- CE, FCC

Certificates listed are for reference only. Please contact our sales department for details

### Mechanical Specifications



- Case Size: 105Lx40Wx26.5H (mm)
- DC Input: Cigarette Lighter with UL1185 DC cable.
- Weight: 180g