

USB Type-C DC/DC Switching Converter



Features

- USB Power Delivery Function
- 11-16VDC Input
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- MTBF > 50,000 hours

ED1046XP - PP

Output type:

X : S(SR)

U(USB)

PP: DC plug code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	MIN. LOAD (I _o)	MAX. LOAD (I _o)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE(Max)
ED1046SP	45W	11V~16V	5V	0A	3A	±5%	±1%	100mV
			9V	0A	3A	±5%	±1%	180mV
			12V	0A	3A	±5%	±1%	240mV
			15V	0A	3A	±5%	±1%	300mV
			20V	0A	2.25A	±5%	±1%	360mV
ED1046UP	45W	11V~16V	5V	0A	3A	±5%	±1%	100mV
			9V	0A	3A	±5%	±1%	180mV
			12V	0A	3A	±5%	±1%	240mV
			15V	0A	3A	±5%	±1%	300mV
			20V	0A	2.25A	±5%	±1%	360mV

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_o × I_o

Electrical Specification

INPUT

- Input Range: 11 to 16 VDC
- Input Current: 7A Max
- Efficiency: 83% Min. Nominal input
- Turn On Time: ≤3s

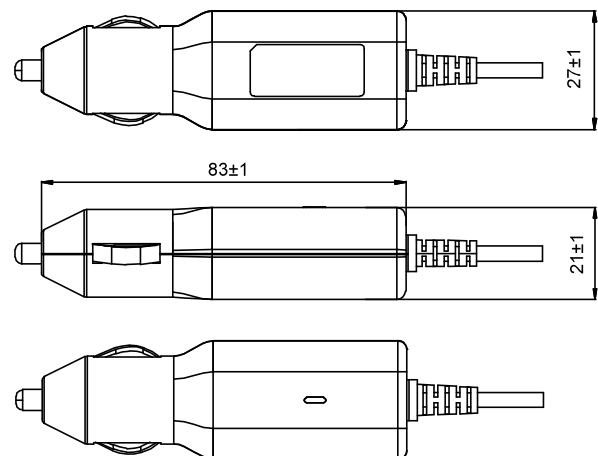
OUTPUT

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

ENVIRONMENT

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

Mechanical Specification



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

SAFETY

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