

EDM1201 Series

• 120W Max.

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections :
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency $\geq 87\%$ Min. Nominal Input
- MTBF > 50,000 hours

EDM1201 X - vv PP

X: Output range

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (VO)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (IO)	MAX. (IO)			
EDM1201A	120W	12-16V	19V	0A	6.3A	$\pm 5\%$	$\pm 2\%$	300mV
EDM1201B	120W	12-16V	20V	0A	6.0A	$\pm 5\%$	$\pm 2\%$	300mV
EDM1201C	120W	12-16V	24V	0A	5.0A	$\pm 5\%$	$\pm 2\%$	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 $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 12 to 16VDC
- Input Current 12A Max.
- Turn On Time $\leq 3s$

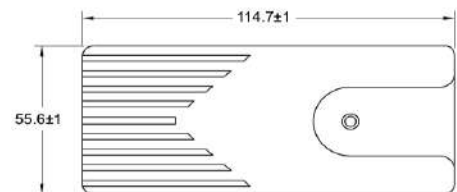
PROTECTION

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

ENVIRONMENTAL

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

MECHANICAL



- Case Size: 114.7Lx 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

SAFETY

- Complied with UL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2)