EP107A Series

• *75W Max.*

AC/DC Single Output Industrial DIN Rail

Features

- Universal AC Input / Full Range
- Convection Cooled (Free Air Cooling)
- DIN Rail Mountable: Fits TS-35/7.5 or TS-35/15
- Protections :
  Short circuit / Over voltage / Over current
  Over temperature
- 100% Full Load Burn-in Test
- MTBF > 100,000 hours

EP107A U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP107AA	75W	12V	0A	6.25A	± 1%	± 0.5%	80mV
EP107AB	75W	24V	0A	3.125A	± 1%	± 0.5%	120mV
EP107AC	75W	48V	0A	1.5625A	± 1%	± 0.5%	150mV

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) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.9A
• Inrush Current	≤ 35A
• Hold Up Time	≥ 12ms
• Turn On Time	≤ 2s

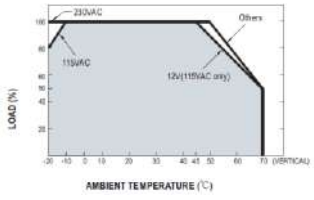
PROTECTION

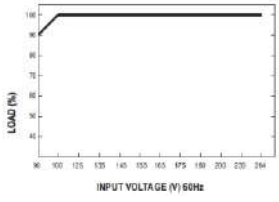
• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENTAL

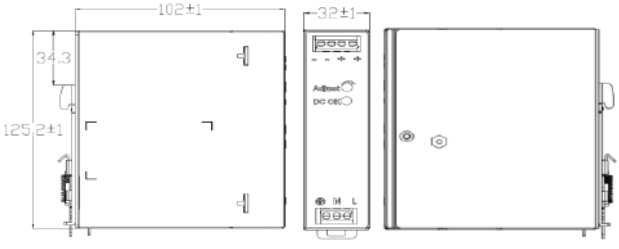
• Operating Temperature	-20 to 70°C
• Storage Temperature	-40 to 85°C
• Operating Humidity	20% to 95 %
• Storage Humidity	10% to 95 %

DERATING CURVE





MECHANICAL



- Mechanical Size: 125.2L x 102W x 32H (mm)
- Pin Assignment:

AC Input Connector (CN1) :

Pin No.	Assignment
1	FG
2	AC/N or DC-
3	AC/L or DC+

DC Output Terminal (CN2):

Pin No.	Assignment
1,2	DC OUTPUT-
3,4	DC OUTPUT+

- Weight: 510g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC (EN 55032 + EN 55035), UL 61010-1, CAN/CSA-C22.2 No. 61010-1, UL 61010-2-201, CAN/CSA-C22.2 No. 61010-2-201

Above safety certificates are for reference only. Please contact our sales department for more details.