

EA1012 Series

AC/DC Wall Mount Adapter 12 W Max.

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CiC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI),
 $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours



EA1012 X Y Z T - vv PP

X: Output Range

Y: Case Type: V (Vertical or (H) Horizontal

Z: AC plug type: • U: USA • E: EU • K: UK

T: Output type: U (USB) or S (SR)

vv: Specified output voltage, i.e. 12 is 12Vdc

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

Electrical Specifications

| MODEL No. | Max. Output Power [W] | Output Voltage [Vo] | Min. Load [Io] | Max. Load [Io] | Load Regulation | Line Regulation | Ripple & Noise |
|-----------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EA1012A | 12W | 5~8V | 0A | 2.4A | $\pm 5\%$ | $\pm 1\%$ | 100mV |
| EA1012B | 12W | 9~11V | 0A | 1.33A | $\pm 5\%$ | $\pm 1\%$ | 180mV |
| EA1012C | 12W | 12~17V | 0A | 1.0A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1012D | 12W | 18~24V | 0A | 0.66A | $\pm 5\%$ | $\pm 1\%$ | 350mV |

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1 uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Une regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

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

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Electrical Specifications

Input

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\geq 1.0A$
- Inrush Current 30A/100VAC 60A/230VAC
- Hold Up Time $\geq 8.3mS$
- Turn On Time $\leq 3s$

Output

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

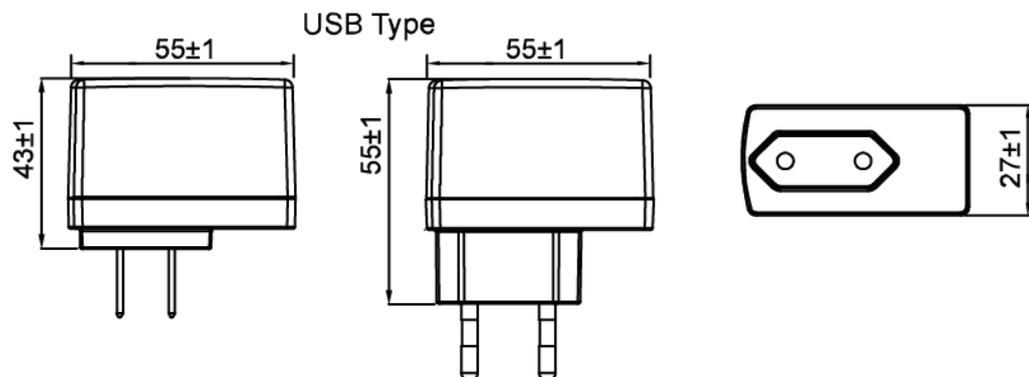
Mechanical Specifications

- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
SR: 55L x 25W x 55H (mm)
Vertikal: USA, EU: 53L x 41W x 46H (mm)
UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

Safety

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, NRCAN

Horizontal (USB & SR Types)



Vertical (USB & SR Types)

