

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours



EM1012 X Y R T - vv PP

- X:** Output range
- Y:** Case type: (V)Vertical
- R:** Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
- 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 (refer to the appendix page)

General Specification

OUTPUT

| MODEL No. | MAX. OUTPUT POWER (W) | OUTPUT VOLTAGE (Vo) | MIN. LOAD (Io) | MAX. LOAD (Io) | LOAD REGULATION | LINE REGULATION | RIPPLE & NOISE |
|------------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EM1012AVRT | 12W | 5~8V | 0A | 2.4A | $\pm 5\%$ | $\pm 1\%$ | 100mV |
| EM1012BVRT | 12W | 9~11V | 0A | 1.33A | $\pm 5\%$ | $\pm 1\%$ | 180mV |
| EM1012CVRT | 12W | 12~17V | 0A | 1A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EM1012DVRT | 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 0.1uF 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: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

PROTECTION

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

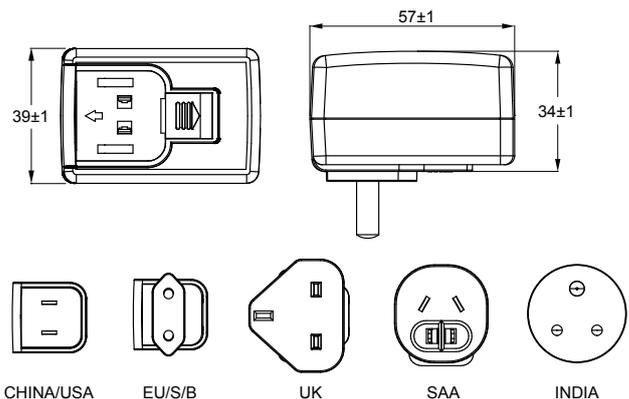
ENVIRONMENT

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

SAFETY

- Certified for whole series: 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) 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), UKCA
- Certified for assigned models: CCC, PSE, NRCAN

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
S: South Africa, B: Korea, I: India
- Weight: 70g