

## Medical AC/DC Interchangeable Adaptor



### Features

- 2 x MOPP & IEC/EN60601-1 Compliance
- LPS Compliance
- Protections:
  - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption  $\leq 0.1W$  (VI),  $\leq 0.075W$  (Tier II)
- MTBF > 100,000 hours
- Non Y-cap Design
- Low Leakage Current

### EM1027 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: 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
EM1027AVRS	18W	5V	0A	3.6A	$\pm 5\%$	$\pm 3\%$	100mV
EM1027BVRS	24W	9V	0A	2.66A	$\pm 5\%$	$\pm 3\%$	180mV
EM1027CVRS	24W	12V	0A	2A	$\pm 5\%$	$\pm 3\%$	250mV
EM1027DVRS	30W	24V	0A	1.25A	$\pm 5\%$	$\pm 3\%$	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:  $\leq 0.8A$
- Inrush Current:  $\leq 60A/230VAC$
- Hold Up Time:  $\geq 8.3ms$
- Turn On Time:  $\leq 5s$
- Leakage Current:  $\leq 10uA$

#### PROTECTION

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

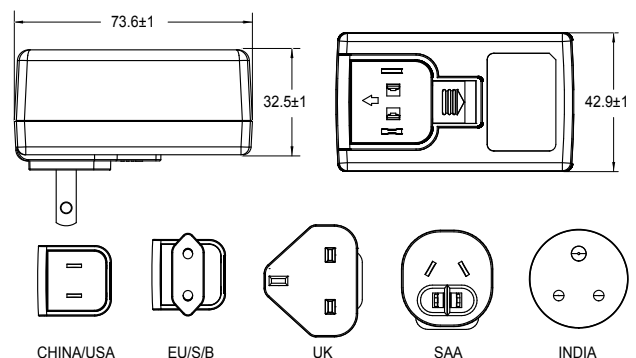
#### ENVIRONMENT

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

#### SAFETY

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

#### MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China  
S: South Africa, B: Korea, I: India
- Weight: 200g