

## AC/DC Interchangeable Adapter



### Features

- 100-240VAC Universal Input
- LPS Compliance
- 2 X MOPP 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

### EM1027 X Y R T - PP

- X:** Output Voltage  
**Y:** Case Type: (V) Vertical  
**R:** Interchangeable AC plug:  
 • U: USA • C: China • E: EU • K: UK • A: SAA  
 • S: South Africa • B: Korea • I: India  
**T:** Output type: S (SR)  
**PP:** DC plug type, i.e. Code 01 for 5.5\*2.1mm or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN.	MAX.	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
			LOAD(Io)	LOAD(Io)			
EM1027AVRS	18W	5V	0A	3.6A	±5%	±3%	100mV
EM1027BVRS	24W	9V	0A	2.66A	±5%	±3%	180mV
EM1027CVRS	24W	12V	0A	2.0A	±5%	±3%	250mV
EM1027DVRS	30W	24V	0A	1..25A	±5%	±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)  $\geq V_o \times I_o$

### Electrical Specification

#### 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:  $\leq 3s$
- Leakage Current:  $\leq 10uA$

#### OUTPUT

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

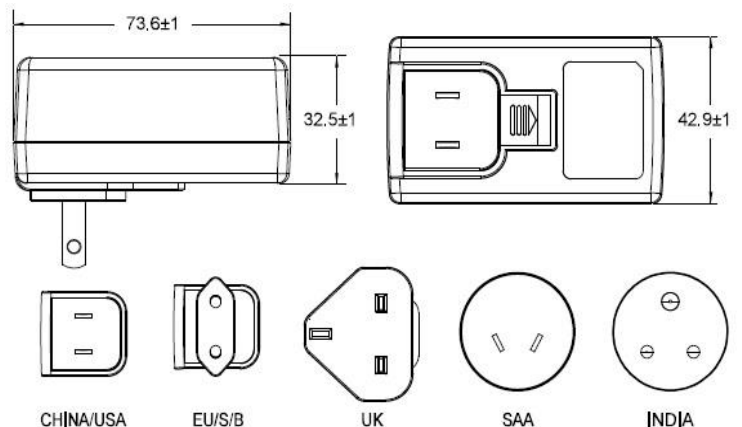
#### ENVIRONMENTAL

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

#### SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

### Mechanical Specification



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