

## EA1005 Series

# AC/DC Wall Mount Adapter 4.5~6 W Max.

- 100-240VAC Universal Input
- 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

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



### **EA1005 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
EA1005A	6W	5~8V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	100mV
EA1005B	6W	9~12V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	180mV
EA1005C	4.5W	9V	0A	0.5A	$\pm 5\%$	$\pm 1\%$	180mV
EA1005D	6W	9V	0A	0.67A	$\pm 5\%$	$\pm 1\%$	180mV

#### 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)  $\geq V_o \times I_o$

## Electrical Specifications

### Input

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current  $\geq 0.6A$
- 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

