



# External power supplies



AC/DC Single Output Desk top Type

21~30 Watts Max.

EA1030 Series



## Features

- ErP level V
- Energy saving compact design
- RoHS compliance
- IEC320 C8
- Over voltage and over current protection
- Protection type: Auto recovery
- MTBF: >30,000 hours

## Electrical Specifications

RS STOCK NO.	MODEL OUTPUT	VOLTAGE (Vo)	MAX. LOAD (Io)	POWER (Watts)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
731-6030	EA1030A2(M03)	6V	3.5A	21W	+/- 5%	+/- 1%	2%
731-6028	EA10302(M02)	9V	3A	27W	+/- 5%	+/- 1%	2%
731-6037	EA10302(M03)	12V	2.5A	30W	+/- 5%	+/- 1%	1.5%
731-6034	EA1030C2(M01)	15V	2A	30W	+/- 5%	+/- 1%	1.5%
731-6059	EA1030D2(M01)	24V	1.25A	30W	+/- 5%	+/- 1%	1%

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. Output Power (W)  $\geq V_o \times I_o$

## Electrical Specifications

### INPUT

- Input Range 100 to 240 VAC
- Frequency 47 to 63Hz
- Input Current 0.5A at 230VAC
- Inrush Current 60A at 230VAC
- Efficiency 84% Typ.
- Hold Up Time  $\geq 8.3\text{ms}$
- Turn On Time  $\leq 3\text{s}$

### OUTPUT

- Short Circuit Protection Auto Recovery

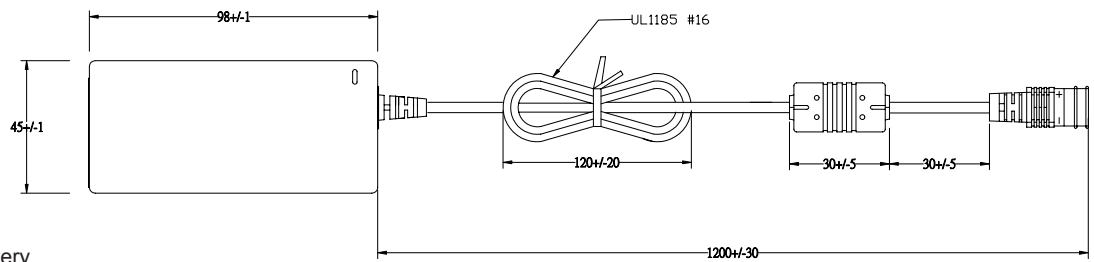
### ENVIRONMENTAL

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

### SAFETY

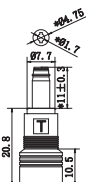
- UL60950-1, EN60950-1, IEC60950-1, CE

## Mechanical Specification

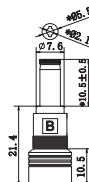


- Case Size: 98Lx45Wx31H (mm)
- AC Inlet: C8
- Weight: 220g

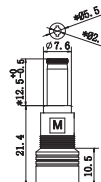
4.75 / 1.75 / 11.00mm



5.5 / 2.1 / 10.50mm



5.5 / 2.5 / 12.5mm



6.3 / 3.0 / 12.00mm

