

# Regulated AC Power Adapter

## 12V DC / 500mA

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RoHS  
Compliant



### Input Characteristics

Rated Voltage	: 100V AC to 240V AC
Variation Range	: 90V AC to 264V AC
Rated Frequency	: 50/60Hz
Variation Frequency	: 47Hz to 63Hz
Input Current	: 0.6A Max. input current at any input AC voltage and output full load.
Inrush Current	: 35A Max. Cold start @ 240V AC input, rated output load & 25°C ambient
AC Leakage Current	: 0.25mA Max. @ 240V AC input

### Output Characteristics

Voltage	Min. Load	Rated Load	Output Power
12V DC	0.01A	500mA	6W

### Combined Load / Line Regulation

Voltage	Min. Load	Rated Load	Line Regulation	Load Regulation
12V DC	0.01A	5A	±1%	±5%

<b>Ripple and Noise</b>	: Under normal voltage & nominal load, the ripple and noise are as follows when measure with Max. Bandwidth of 20MHz and parallel 10µF electrolysis capacitor & 0.1µF ceramic capacitor crossed connect at testing point. Voltage: +12V DC Ripple & Noise (Max.): 120mVp-p
Turn on Delay Time	: 2 Sec. Max. @ 115V AC input and output Max. Load
Rise Time	: 40mS Max. @ 115V AC input and output Max. Load
Hold Up Time	: 5mS Min. @ 115V AC input and output Max. Load
Efficiency	: Average efficiency 78.88% minimum at 25%, 50%, 75% & 100% of full-loading and 230V AC input (After warm up 30 minutes). Meet with Energy star level VI. No load input watt ≤ 0.1W
Overshoot	: 10% Max. When power supply at turn on or turn off.

### Environmental Requirement

Operating Temperature	: 0°C to +40°C, Full load, Normal Operation
Storage Temperature	: -40°C to +85°C
Relative Humidity	: 5% (0°C) to 95% (40°C) RH, 72Hrs, Full load, Normal operating

### Mechanical Requirement

Enclosure	: 74mm (L) × 29.5mm (W) × 42mm (H)
Input Connector	: 2 Pin Input plug

### Outline Dimension

Out Cord	: UL2468 24AWG VW-1 80°C 300V, FT1 Line with word on the cord Length: 1.2m.
DC Plug	: 5.5mm × 2.1mm × 12mm

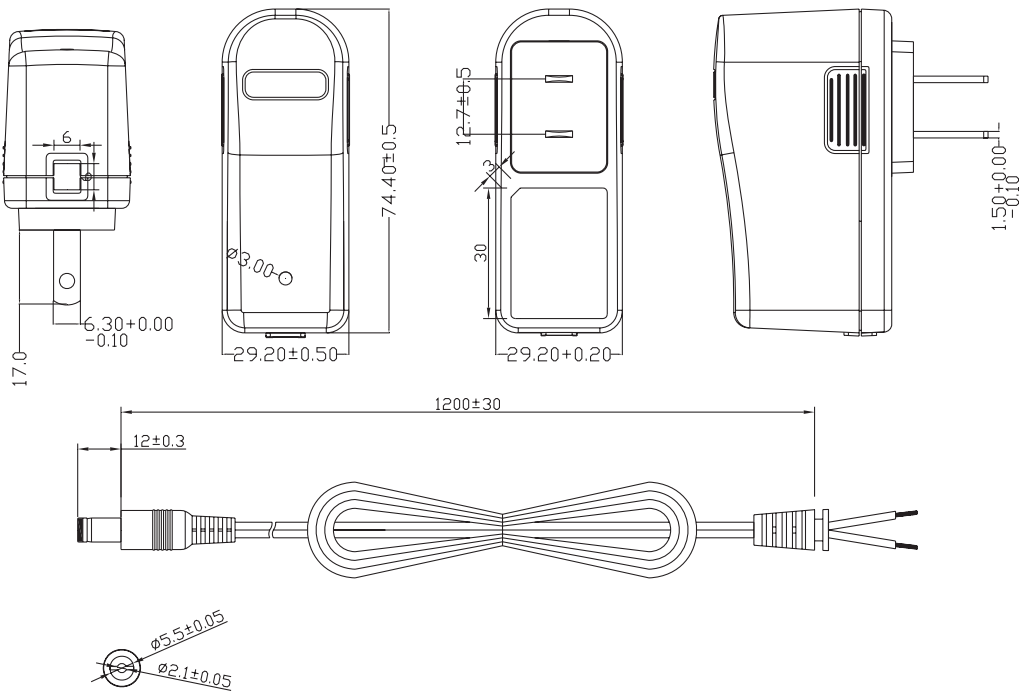
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## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Part Number
Regulated AC Power Adapter, 12V DC, 500mA, 6W	28-19361

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