

## DA16 Series

16 Watts

**Total Power:** 16 Watts  
**Input Voltage:** 90-264 VAC  
**# of Outputs:** Single



### Special Features

- Switching wallmount power supply
- Available in multiple AC plug configurations
- CE Mark EMC & LVD
- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Thermal protection
- Designed to meet Blue Angel standard
- European Code of Conduct compliance
- Constant voltage
- High efficiency
- High MTBF
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator

### Safety

UL 60950 / 6500  
CSA 60950  
TUV 60950  
NEMKO 60950  
CB Certificate and report  
CE EMC & LVD

## Electrical Specifications

### Input

Input range	90-264 VAC (wide range)
Frequency	47-63 Hz
Inrush current	40A @ 230 VAC, cold start @ 25C
Input current	0.18A rms @ 120 VAC; 0.36A @ 240VAC
Efficiency	75% @ full load typical, @120VAC
EMI/RFI	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B & EMC89/336/EEC
Safety ground leakage current	300 $\mu$ A @ 50/60 Hz, 230 VAC input

### Output

Voltage (Vo)	12.2V
Voltage regulation	$\pm$ 3.5% @ constant voltage mode
Maximum Power (Po)	16W
Hold-up time	20ms. typical at full load @ 115 VAC
Overvoltage protection	Non-latching type
Overload protection	Output short circuit protection auto recover Overload protected @ 150% above maximum rating
Overtemperature protection	Auto recovery
Output cable/connector barrel polarity	DC cable with 2.5 mm x5.5mm barrel plug DC plug center +v DC plug outer -v



## Environmental Specifications

Operating temperature:	0° to +40°C ambient
Storage temperature:	-40°C to +85°C
Electromagnetic susceptibility:	Designed to meet EN55024
Humidity:	Operating; non-condensing 5% to 95% RH
Vibration:	Three orthogonal axes, sweep at 1 oct/min. 5 min. dwell at four major resonances 2G peak 8 Hz to 500 Hz, operational
MTBF demonstrated:	>550,000 hours at full load and 25°C ambient conditions

## AC Plug Configuration

U.S. 2-prong	US
Europe 2-prong	EU
United Kingdom 3-prong	UK

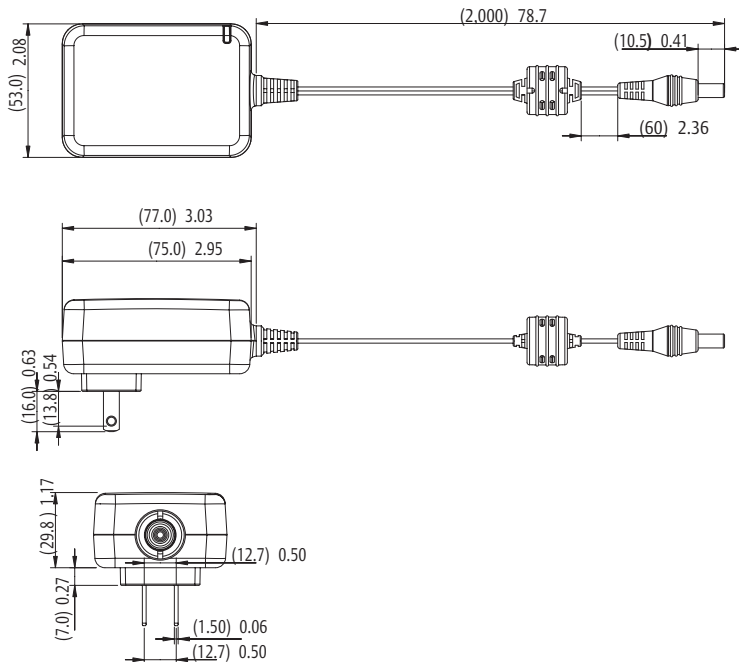
## Ordering Information

Model Number	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Peak Load <sup>1</sup>	Regulation <sup>2</sup>	Ripple P/P (PAR) <sup>3</sup>
DA16-120US	16W	12.2V	0.2A	1.33A	1.5A	± 2%	120mV
DA16-120EU	16W	12.2V	0.2A	1.33A	1.5A	± 2%	120mV
DA16-120CH	16W	12.2V	0.2A	1.33A	1.5A	± 2%	120mV

1. Peak current lasting <30 seconds with a maximum 10% duty cycle.
2. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.
4. Minimum loads are required.

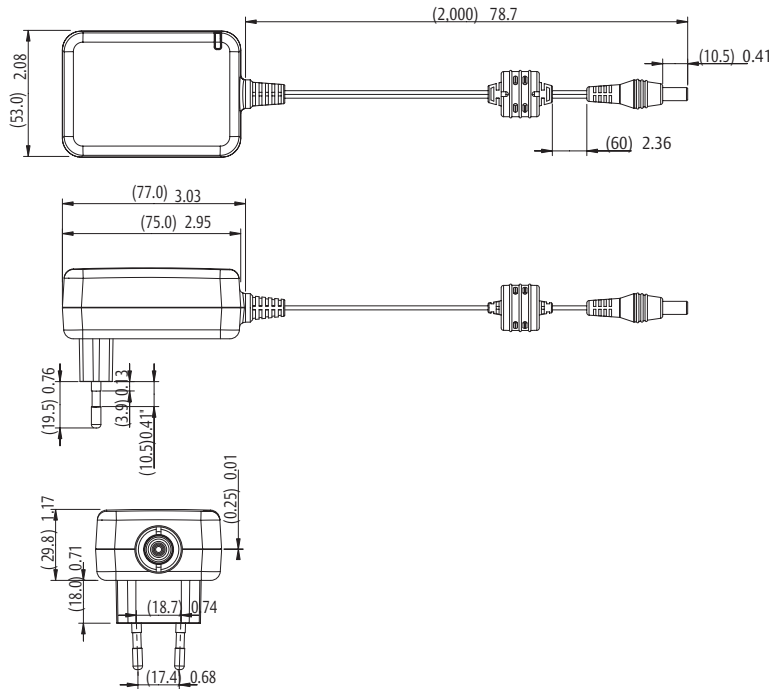
## Mechanical Drawing

### DA16XX-US

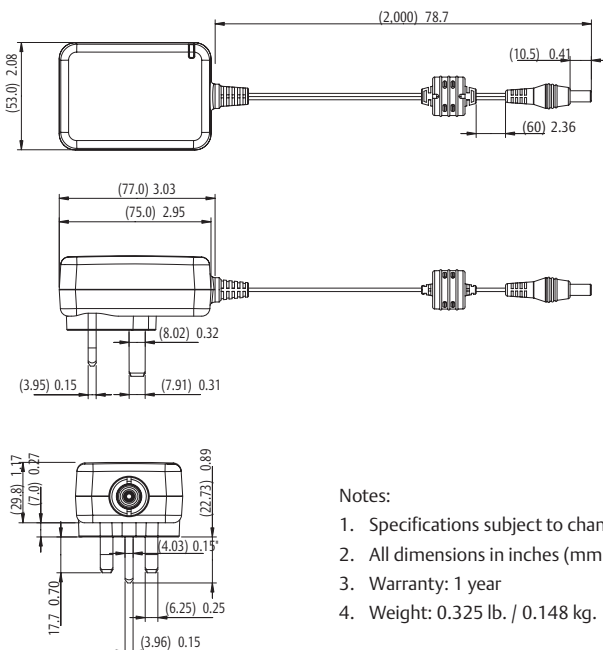


## Mechanical Drawing

### DA16-XXX-EU



### DA16-XXX-UK



Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is  $\pm 0.02^*$
3. Warranty: 1 year
4. Weight: 0.325 lb. / 0.148 kg.

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