

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
- **AS/NZS** 60950
- **CB** Certificate and report
- **CE** EMC & LVD

Electrical Specifications

Input	
Input range:	90-264 Vac (wide range)
Frequency:	47-63 Hz
Inrush current:	40 A @ 230 Vac, cold start @ 25 °C
Input current:	0.18 A rms @ 120 VAC; 0.36 A @ 240 VAC
Efficiency:	75% @ full load typical, @120 VAC
EMI/RFI:	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B & EMC89/336/EEC
Safety ground leakage current:	300 μ A @ 50/60 Hz, 230 Vac input
Output	
Voltage (Vo):	12.2 V
Voltage regulation:	$\pm$ 5% @ constant voltage mode
Maximum Power (Po):	16 W
Hold-up time:	20 ms. typical at full load @ 115 Vac
Overvoltage protection:	Non-latching type
Overload protection:	Output shortcircuit 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
Australia 2-prong	AU

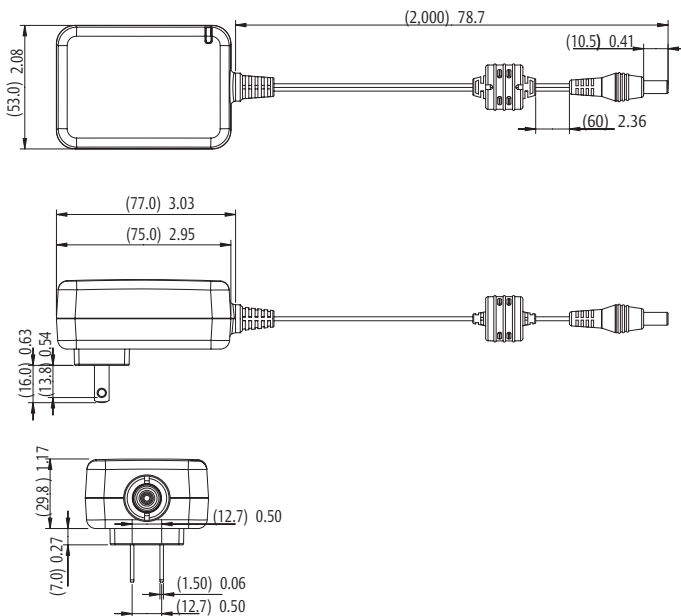
Ordering Information

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

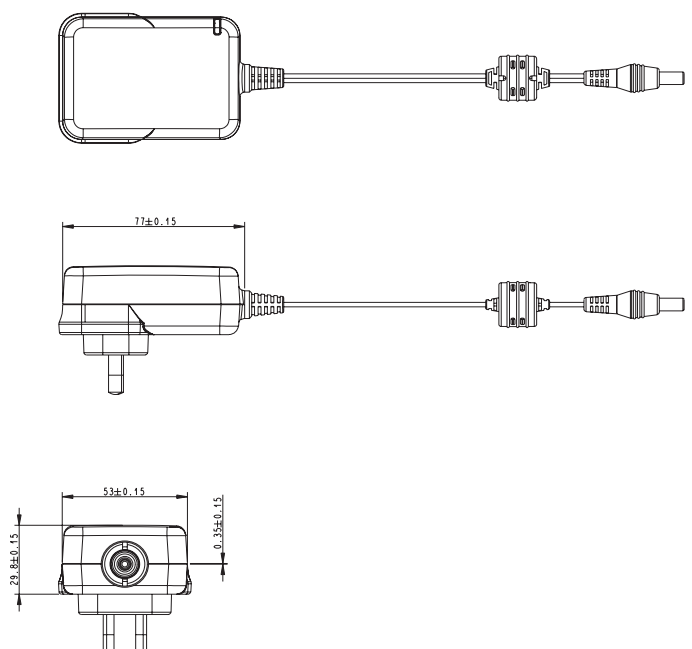
1. Peak current lasting < 30 seconds with a maximum 10% duty cycle.
2. At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 mHz bandwidth and 10 µF in parallel with a 0.1 µF capacitor at rated line voltage and load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

Mechanical Drawing

DA16XX-US

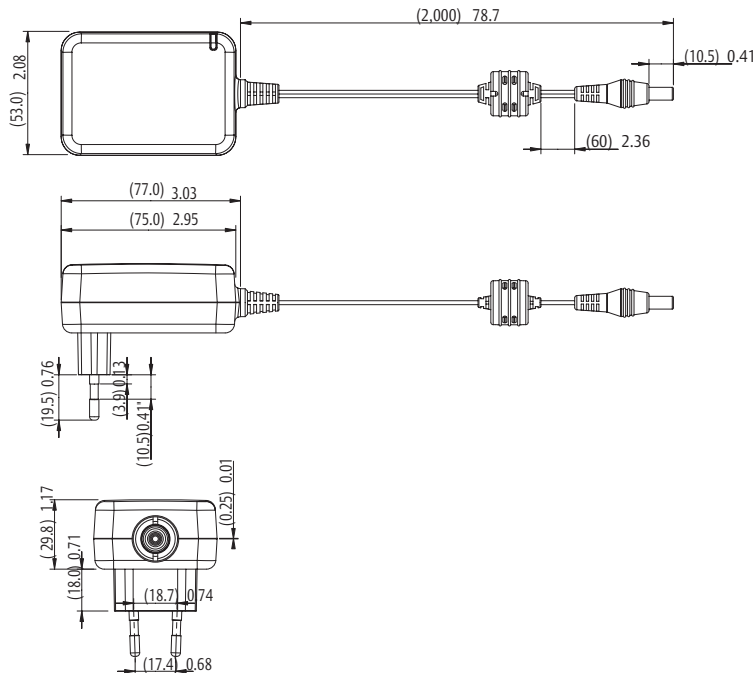


DA16XX-AU

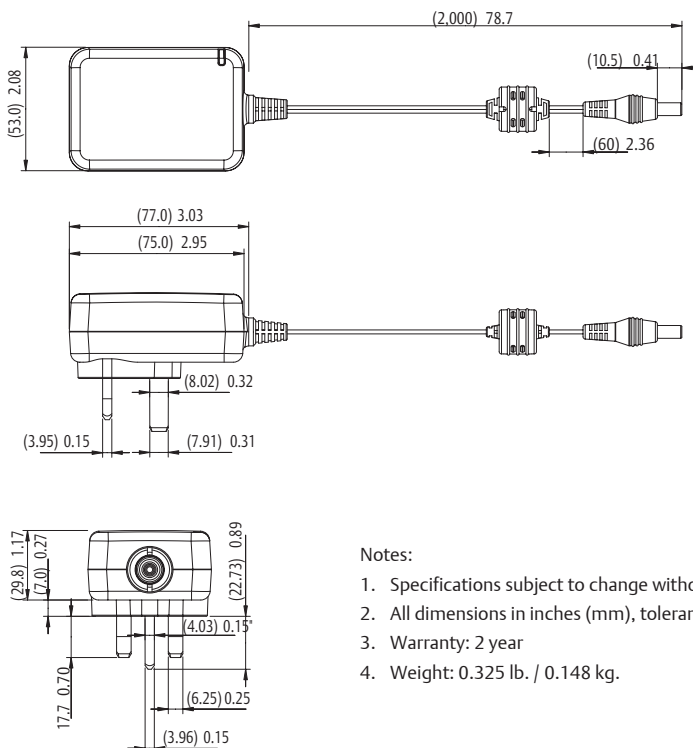


Mechanical Drawing

DA16-XXX-EU



DA16-XXX-UK



Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is $\pm 0.2^\circ$
3. Warranty: 2 year
4. Weight: 0.325 lb. / 0.148 kg.

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