

**DATA SHEET Neon Power Supply**  
**MIDI 5060 CL**

- Equivalent in performance to a 5,000v 75mA magnetic neon transformer.
- UL Listed Type 7
- Designed for applications in channel letter, signs and lighting not requiring dimming or flashing.
- Variable frequency technology maintains a virtually constant current load independent of varying diameters or lengths of tubing.
- Thermally protected with automatic reset disconnects the supply voltage if the internal temperature of the power supply exceeds 100 °C (220 °F) .
- Secondary supplied with 40” of silicone GTO 10 or GTO 15 integral sleeve.
- Primary connection with 59 “ line cord and plug
  
- **FOR CANADA ONLY (CSA 22.2 No. 255-04)**
- These models are only intended for Factory Installation.
- Suitable for use only in dry location.
- No part of the secondary or output circuit shall be connected to any dead metal, grounded or ungrounded.

Electrical data:***MIDI5060CL***

<b><i>Input:</i></b>	Nominal Voltage	120 Volt
	Input Voltage Range	108V÷132V
	Current	1.65 Ampere
	Frequency	60 Hertz
	Power	103 Watt
	Normal Power factor	≈ 0.5
<b><i>Output:</i></b>	Voltage	4 kV rms max.
	Nominal load current	65 mA
	Short circuit current	60 mA
	Frequency	20 to 32 kHz

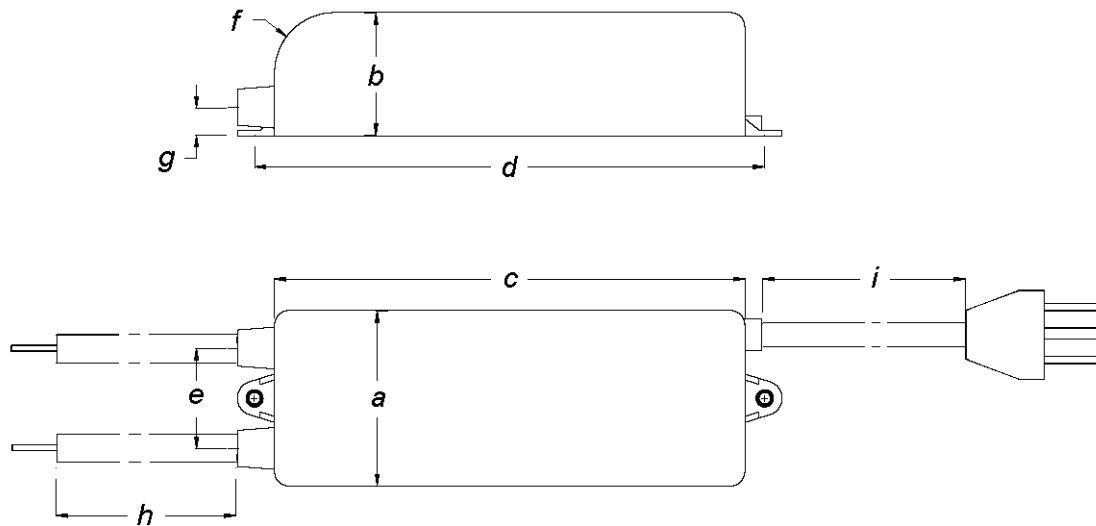
Performance:

- Constant load current
- Supplied with ***open circuit protection, ground fault protection and protection against overloading***
- Maximum ambient temperature 104°F

Loading Chart (in feet)

Diameter	10mm	12mm	15mm	18mm	20mm	25mm
Argon/hg	16	18	20	23	24	25
Neon	12	14	16	18	19	20

(Deduct one foot per pair of electrodes)



Midi	a	b	c	d	e	f	g	m	h	i	weight
	1.97	1.38	5.98	6.38	0.9		0.23	6.89	40	59	23 oz.

All dimensions are in inches

### **INSTALLATION GUIDELINE**

- If the power supply is close to the maximum load put a 12kΩ resistor in series with the secondary circuit. If the system stays lit the loading is correct. This test should be done before and after the installation to confirm that your installation is correct. *(The 12kΩ resistor is available for a minimal charge from your local sign supply distributor)*
- This step is very important for installations close to the limit of the power supply. The power supply has a microprocessor that senses any overload situation and immediately shuts down the power supply protecting both the power supply and your neon installation. The 12kΩ resistor insures you have a properly loaded power supply and a margin against nuisance tripping.
- Avoid extending the secondary leads beyond that supplied with the power supply.
- The power supply may be installed on a metal surface. Sides can be in contact with a metal surface.
- Power supplies must be spaced **3/4” away** from one another.
- The distance between the lamps and parts with a different potential (other lamps, current conductors, parts connected to earth) shall be suitable for the voltage present which, at the frequencies produced by the power supply, can discharge easily through air and unsuitable insulating material.
- The material that supports the lamps must be always insulating.

