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TECHNOLOGY GROUP

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Find the *Melles Griot 05-LPL-340-065* at our website: ***Click HERE***

05-LPL

Catalog Code W5003

Power supply for standard He-Ne laser head (CDRH compliant).



- Compact laser power supply.
- Low ripple, high stability, and constant current .
- Protection circuit can automatically shut down in case of frequent arc discharges, output-terminal open, output-terminal short or extremely low input voltage.

Common Specifications

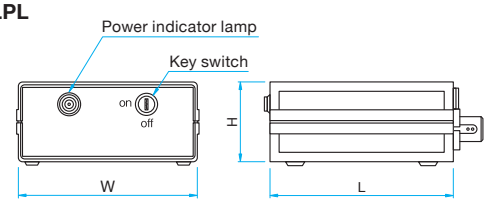
Input Voltage		100VAC±10%
Input Frequency		50 – 60Hz
Current Ripple (RMS)		<0.71%
Conversion Efficiency		>75%
Delay time of CDRH		3 – 7 secs
Temperature Range	Operation	–20°C – +40°C
	Storage	–40°C – +80°C
Ambient Humidity	Operation	0% – 90%
	Storage	0% – 100%
Altitude	Operation	0 – 3,000m
	Storage	0 – 5,800m
Shock		25G/11msec

Attention

- 100VAC voltage intended for use in Japan, if used abroad, contact our Sales Division for more information.
- As imported products, prices and lead times are subject to change.

Outline Drawing (Units: mm)

05-LPL



Part Number	Width W [mm]	Length L [mm]	Height H [mm]	Output Current [mA]	Output Voltage [VDC]	Drive Voltage [kVDC]	Weight [kg]
05-LPL-900-040	129	133	61	4	1,100 – 1,500	>8	1
05-LPL-901-040	129	133	61	4	1,450 – 2,050	>8	1
05-LPL-911-065	129	133	61	6.5	1,700 – 2,100	>10	1
05-LPL-902-065	129	133	61	6.5	1,850 – 2,450	>10	1
05-LPL-951-065	161	241	54	6.5	2,500 – 3,100	>11	1.8
05-LPL-951-070	161	241	54	7	2,500 – 4,100	>11	1.8

05-STP

Catalog Code W5004

Stabilized He-Ne laser, designed in aluminum housing, consists of a laser head with oscillation wavelength of 632.8nm, a laser tube, ballast resistor and electrical wiring.



- Stabilized wavelength with low frequency fluctuation (10MHz or less).
- 1.8 meter length cable connected.
- Compliance with the provisions of CDRH (U.S. Safety Standard).

Common Specifications

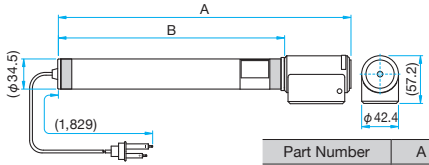
Wavelength	632.8nm
Transverse Mode	TEM_{00}
Polarization	Linear
Extinction Ratio	>5000:1
Noise (RMS)	0.1% (30Hz – 10MHz)
Frequency Stability	±1.0MHz(1min)/±2.0MHz(1h)/±3.0MHz(8h)
Power Stability	±0.2% (1min/1h/8h)
Temperature Dependence	0.5MHz/°C
Time to Stabilization	<10 minutes
Possible Stabilization Temperature Range	15°C – 30°C
Input Voltage	100VAC±10%
Input Frequency	50 – 60Hz

Attention

- Power supply (05-LPL series: detachable model) is not included, please purchase separately. Reference H007
- As imported products, prices and lead times are subject to change.

Outline Drawing (Units: mm)

05-STP



Part Number	A	B
05-STP-910	259.1	176.8
05-STP-912	302	219.7

Part Number	CW Output Power TEM_{00} [mW]	Beam Diameter $1/e^2$ [mm]	Beam Divergence [mrad]	Operation Current [mA]	Operation Voltage [V±100]	IEC Class	Power Supply
05-STP-910	0.5 – 0.95	0.48	1.7	4	1,220	2	05-LPL-900-040
05-STP-912	1	0.54	1.5	4	1,600	3R	05-LPL-901-040

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