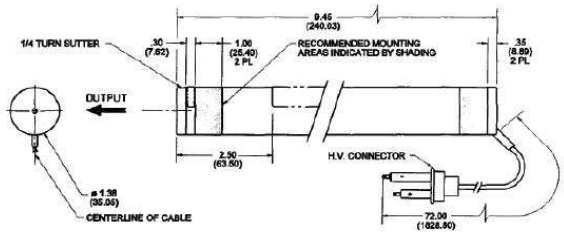
0.20mW 543.5nm (GREEN) HELIUM NEON LASER

MODEL: 05-LGR-025

Output Specifications		
Minimum CW Power Output (mW):		0.20
Wavelength (nm):		543.5
Mode:		>90% TEM_{00}
Polarization:		Random
Beam Diameter at 1/e² Points (mm):		0.63 ±5%
Beam Divergence (mrad):		1.26 ±5%
Longitudinal Mode Spacing (MHz):		732
Amplitude Fluctuations		
Mode Sweeping:		<14%
Mean Power Drift Over 8 Hours:		<5%
Amplitude Noise 30 Hz to 30 MHz (P-P):		<2.8%
Warmup to >95% of Max. Power (minutes):		15
Beam Pointing Stability (mrad)		
From Cold Start:		<0.05
After 15 Minutes Warmup:		<0.03
Electrical Specifications		
Start Voltage (KVDC):		<8
Recommended Operating Current (mA):		4.5 ±0.2
Operating Voltage (VDC):		1560 ±100
Recommended Power Supply:* (AC)		05-LPM-901-045
(DC)		05-LPM-804-045
Environmental Specifications	**Operating**	**Non-Operating**
Temperature:	-20°C to +40°C	-40°C to +80°C
Altitude:	0 to 3000 meters	0 to ∞
Relative Humidity:	0 to 90%	0 to 100%
Shock:	25G for 11 msec 100G for 1 msec	25G for 11 msec 100G for 1 msec

NOTE: DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS. *For other options contact factory.



Specifications are subject to change without notice.

SPECIFICATIONS mglasers@idexcorp.com

CDRH/IEC CLASSIFICATION II/ 2(IEC 825-1:1993)
MAXIMUM POWER OUTPUT 1mW

INFORMATION LABEL

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