

Laserglow Product Datasheet

Hydra Blue Laser Pointer Laserglow Part Number: GHP005XXX



Similar Products:

For information about the other lasers in this product family visit:

<http://www.laserglow.com/GHP>

Ordering:

Order Online Now or Request Quote:

<http://www.laserglow.com/GHP005XXX>

Series Specifications:

Nominal Wavelength	447 nm
Output Type	CW
Laser Source Type	Diode



May not be exactly as shown. See dimensional drawing for details.

Overview:

Key Features:

- **Starting at: \$279**
- **Output Power:** 2 mW - 4.99 mW (Varies with model)
- **Expected Life:** 5000 hours
- **Wavelength:** 447 nm (blue)
- **Key Feature:** Cutting-edge laser diode technology in an affordable blue laser pointer!
- **Package Includes:** Laser pointer, aluminum carrying case, instructions/warranty.
- **Casing:** Piano-black finished Brass with gold accents
- **Safety Info:** Complies with Class IIIa regulations
- **Duty Cycle:** 100%

Specifications:

This spec sheet has been generated specifically for part number GHP005XXX, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to GHP005XXX have been highlighted below in **red + bold**.

Laser Form Factor	GAP
Output Power (mW)	<5
FDA Safety Class	IIIa
Central Wavelength (nm)	447
Divergence (mrad, full angle)	<1.5
Beam Diameter (mm, 1/e ²)	5
Transverse Mode	Near TEM00
Longitudinal Modes	Multiple
Approximate Peak Power (W)	5
Operating Temperature Range (°C)	-5 to 40
Storage Temperature Range (°C)	-10 to 50
Total Power Consumption (W)	1
Max. Power Input Duty Cycle	100%
Cooling Method	Passive Air
Standard Warranty (months)	6
MTTF (operational hours)	5000
Weight of Laser Head (kg)	0.1
Laser Head Dimensions (mm)	150 (l) x 16.5 (d)
Power Supply	2 x CR2 Batteries

CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.

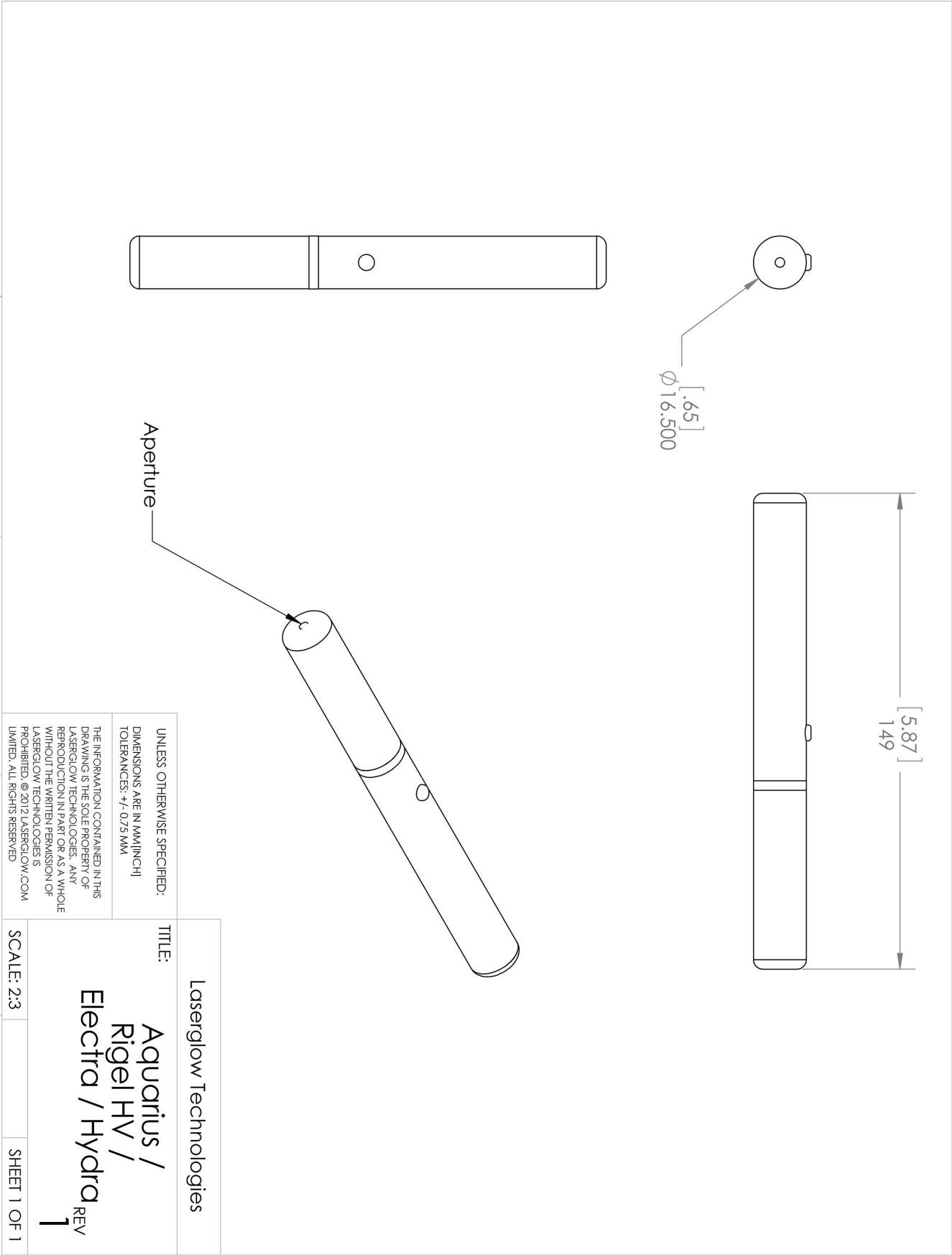
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

Regulatory Classification:

The model you have selected (GHP005XXX) requires the following safety label(s):





Dimensional Drawing - Laser Form Factor: GAP:



Accessories:

The most popular accessories for model GHP005XXX are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 AGF5327XX	LSG-532-NF-7 Fit-Over Safety Goggles 532nm Output: OD 7+ at 190-532 nm CE Certified Full Details: www.laserglow.com/AGF	
 ACAGAQ1XX	Carrying Case-7 Aquarius/Electra/Rigel HV/Hydra Full Details: www.laserglow.com/ACA	Included With Laser

FOR MORE INFORMATION PLEASE CONTACT:

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E&OE: Data included in this sheet may be subject to change without notice.

Please confirm critical specifications with our staff prior to ordering.