

Features

- ▶ **Typical wavelength, 635nm**
- ▶ **Stabilized optical power**
- ▶ **Line generator : Cylindrical glass lens**
- ▶ **3 elements optic structure (2 lenses fixed & 1 lens mobile)**
- ▶ **Supply voltage, 7~24V DC**
- ▶ **Wire length : 30cm(standard) or custom**
- ▶ **Laser class : (IEC 60825-1:2007)**

Specification

● **Optical (@RT)**

Items	Values	Unit
Optical output power	2.5±10%	mW
Peak wavelength	635±5	nm
Collimated beam wid. (@FWHM)	<3 (@10M)	mm
Fan angle	15,30,45,60,90,120	°
Line pattern	Accurate straight	
Beam intensity pattern	Gaussian	

● **Electrical (@RT)**

Items	Values	Unit
Operating voltage	7~24±5%	DC V
Operating current	30 (typ.)	mA
Drive circuit	APC	
Operating temp.	-10 ~ +50	°C
Storage temp.	-40 ~ +85	°C
LD Pin Connection	Case Ground	

● **Mechanical**

Items	Values	Unit
Weight	38.5±1	g
Dimensions(mm)	Ø16*120	mm
Housing material	Aluminum	

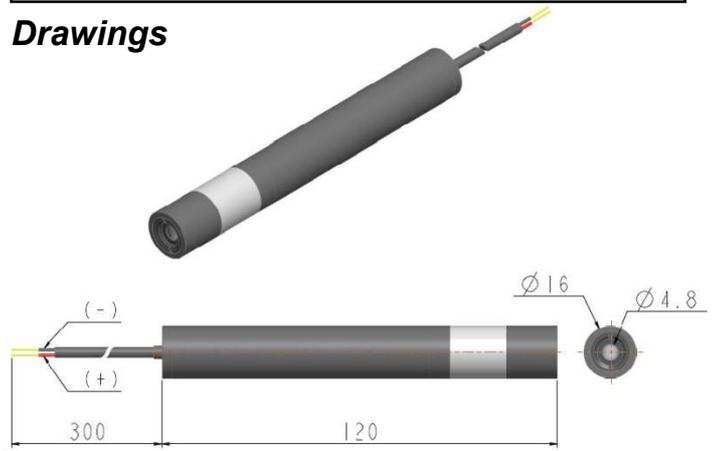
- ◆ **Warranty : One-year**
- ◆ **Accessory : Bracket (Mount) & Power adaptor**

These specifications are subject to change without notice.

Description

The GS series laser diode module combines laser diode technology, 3 elements optics and sophisticated electronics within a slim and light aluminum anodized housing. Specially, 3 lens structure compensates line beam's curve & unbalance and dot beam's accurate focused point. This series of modules provides a high-brightness laser line and have various wavelengths and optical output power. Applications include a measurement, positioning, lighting, alignment, guidelines, pointing, switching, leveling and machine vision etc. Useful in a variety of medical, industrial, and scientific instrumentation as well as general R&D work.

Drawings



*** Range of fan angle**

Symbol	Angle	Line length [mm] (@ distance 1m)	Laser Class
LM-6305GS1D	15°	about 250	3R
LM-6305GS3D	30°	about 500	3R
LM-6305GS4D	45°	about 830	2
LM-6305GS6D	60°	about 1160	1
LM-6305GS9D	90°	about 2000	1
LM-6305GS12D	120°	about 3400	1



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