

GMP635-L100 Series 635nm Red Laser Diode Modules with Line Optics

With 100-Degree Line Optics, APC Circuit Design and Compact Size



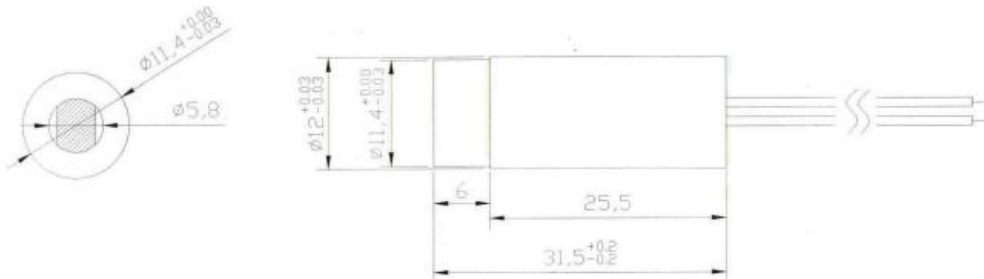
Specifications of GMP635-L100 Series 635nm Line Generating Laser Diode Modules

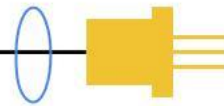
Model Number	GMP635-YF3-L100	
Wavelength	635+/-10 nm	
Output power (mW) @ 25 °C	0.5-0.99 (Y=1)	2.1-3 (Y=3)
Laser Class	Class II	Class IIIa
Operating Current @ 25 °C	40mA typical	
Operating Voltage	3V DC	
Circuit Design	APC (Automatic Power Control)	
Operation Mode	CW	
Full Fan Angle of Line Optics	~100 degree	
Stability*	≤±5% @ constant temperature	
Connector**	Black wire (-); red wire & brass case (+)	
Operating Temperature	-10 to 40°C	
Storage Temperature	-10 to 70°C	
Dimensions (LxWxH)	Dia. 12mm x L.31.5+/-0.5 mm (brass housing)	

Notes:

1. Additional heat sink or cooling fan may be needed to stabilize the output power of laser module.
2. Brass case is positive.

Mechanical Outline (unit: mm)





Ordering Information

Part Number	Wavelength (nm)	Optical output power (mW)	Laser class	Operating voltage (V DC)	Operating Current typical (mA)	Operating temperature (°C)
GMP635-1F3-L100	635	0.5-0.99	II	3	40	-10 to +40
GMP635-3F3-L100	635	2.1-3	IIIa	3	40	-10 to +40

Additional Notes

- The GMP635-L100 series laser modules are designated solely as OEM components for incorporation into the customer's end products. Therefore, it is the customer's responsibility to comply with FDA requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA Performance Standards for Light-Emitting Products](#) for detailed information.
- Specifications are subject to change without notice.