



FCVBGR1 Series 405nm/447nm/532nm/637nm Fiber Coupled Integrated Single Channel Multi-Wavelength Laser System up to 160mW

Overview

The FCVBGR1 series fiber coupled integrated multi-wavelength laser is ideal for applications that require four wavelengths at 405nm, 447nm, 532nm and 637nm, and output power levels up to 160mW. The laser features integrated laser diode, laser cavity, fiber coupling optics, laser power supply and LD current in one box. The laser is widely used in medical, biomedical, and industrial applications.



Specifications

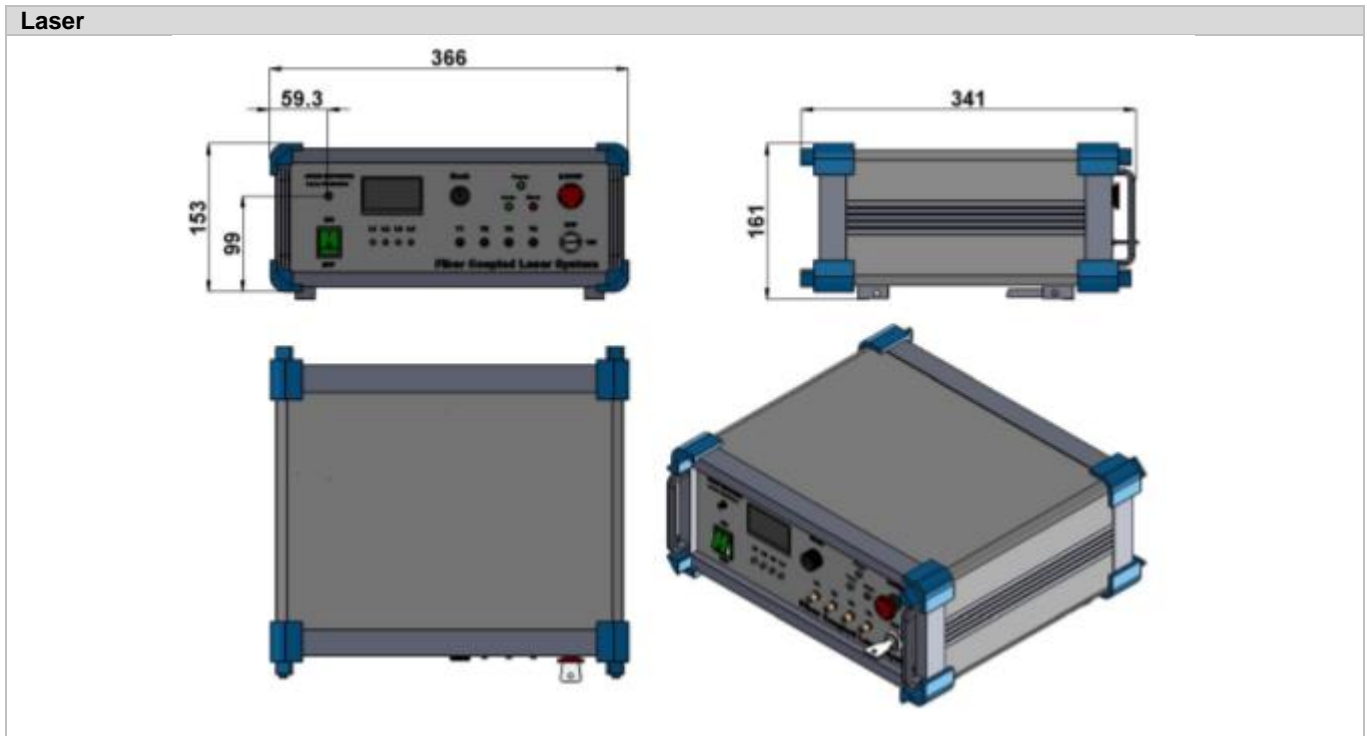
Model Number	FCVBGR1-XPQA
Wavelength (nm)	Violet at 405nm, Blue at 447nm, Green at 532nm, Red at 637nm
Fiber core diameter (um)	400um
Fiber connector	SMA905
Output power after fiber (mW)	>10 (X=10), >20 (X=20), >50 (X=50), >80 (X=80), >100 (X=100), >160 (X=160)
Operating mode	CW
Power stability (rms, over 4 hours)	<5% (P=A), <3% (P=E), <2% (P=2)
Warm-up time (minutes)	<10
Operating temperature (°C)	10-35
Cooling method	Air cooled
Input power	100-240VAC, 50 to 60Hz
Dimensions of laser (mm)	366(L)x341(W) x161(H) mm ³
Weight of laser (kg)	3.0 kg
Modulation option	None (Q=0)
	TTL 1Hz-1kHz (Q=T1), 1kHz-10kHz (Q=T2), 10kHz-30kHz (Q=T3)
	Analog 1Hz-1kHz (Q=A1), 1kHz-10kHz (Q=A2), 10kHz-30kHz (Q=A3)
Expected lifetime (hours)	10,000
Warranty period	10 months
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IIIb

Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.



Outline Dimensions (unit: mm)



Note: The above specifications are subject to change without notice.