Dual Wavelength Fiber Laser Unit
LAS-DWFL-00-0-U

Features

- Dual wavelength of 1380nm and 1550nm operation
- High output power up to 5W
- Build-in isolator
- Maintenance free
- Front panel LCD display and status LED indicators for quick access of unit's status
- RS-232 interface for local supervision.

Applications

- Fiber optics sensing
- Medical procedure
- Test and measurement

Description

GIP Technology Dual Wavelength Fiber Laser Unit (LAS-DWFL-00-00-U) is a CW laser sources delivering 1380nm and 1550nm laser in standalone for long-range applications.

The LAS-DWFL-00-00-U does not need water-cooling or replacement parts and requires only an AC 110V power source to obtain the laser operation. It can be used in the fiber optic sensing, medical procedure, test and measurement as well as research and development (R&D) environments.

In addition, these units also provide a user-friendly status monitoring via an LCD display, LED indicators, and various communication interfaces (RS232).

GIP
Brightening Your Solutions

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Specifications

Optical Information		Unit	Description
Saturated output power*1,2	Max.	Watt	5W @ 1380nm
			5W @ 1550nm
Mode of operation			CW
Center wavelength*3		nm	1380/1550
Spectral width (FWHM)	Max.	nm	5nm @ 1380nm
			2nm @ 1550nm
Power tunability		%	10 ~ 100
Output power stability	Max.	dB	±0.1
Polarization			Random
Fiber type	Output		SMF fiber
Fiber length	Output		3mm cable with length 2M
Electrical Information			
Operating voltage		Volt	100 ~ 240VAC, 50/60Hz
Control mode			APC/ACC
Pump LD ON/OFF switch			Key type
Control interface			RS-232
Environmental Information			
Ambient temperature		°C	15 ~ 35
Storage temperature		°C	-20 ~ 60
Relative humidity (non-condense)		%	5 ~ 85 (operating)
Cooling			Air cooling
Mechanical Information			
Dimension (W x L x H)		mm	434.2 x 540 x 154

*1. Saturated power is composed of optical signal and ASE power.

*2. Measured at 25℃.

*3. Center wavelength is fixed.

*4. Measured under room temperature, APC control mode, 8 hours after 10 minutes warm up.