

Features

- * Bench-top package, with Strap-handled
- * Excellent power stability
- * Highly reliable and stable
- * Laser diode temperature monitoring
- * Adjustable laser diode driving current
- * Front panel LCD display and status LED indicators for quick access of unit's status

Applications

- * Optical components testing
- * Optical fiber characterization
- * Optical measurement system

Description

GIP Technology Laser Source Unit is designed for driving and testing laser diodes. It delivers high stable current to drive laser diodes. By precision TEC current controlling, the module provides laser diodes best operating temperature (around 25°C).

The bench-top package size serves the area size, can be used in the components or sub-assembly manufacturing as well as research and development (R&D) environments.

In addition, these units also provide a user-friendly status monitoring via an LCD display and LED indicators



Specifications

Optical Information		Unit	Description		
Laser type			DFB		
Center wavelength range		nm	1480~1500	1530~1560	1570~1610
Output power		mW	1 ~ 40		
Line width	Max.	MHz	5		
Side mode suppression ratio	Min.	dB	35		
Output power stability*	Max.	dB	± 0.1		
Connector			SC or FC		
Electrical Information					
Current control			Adjustable		
TEC controller			Included		
Operating voltage		Volt	100 ~ 240 VAC		
User Interface Information					
LCD display			Output power, LD current, LD temperature		
LED indicator			OK, LD		
Control key			Left, Enter, Right, ACO		
Laser ON/OFF Switch			Key type		
Current adjust			Knob		
Environmental and Mechanical Information					
Operating temperature		°C	0 ~ 40		
Storage temperature		°C	-20 ~ 80		
Relative humidity (non-condense)		%	5 ~ 85		
Outline Information					
Dimension (W x L x H)		mm	250 x 390 x 100		

*Measured at 25°C , 8 hours after 10 minutes warm up.



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