Ytterbium Doped Fiber Amplifier
H-Series

Features

- Bench-top package, with Strap-handled
- High saturated output power
- Optically isolated input and output ports with maximize 500mW handling power to minimize system susceptibility due to connector reflections
- Input and output signal monitoring
- Front panel LCD display and status LED indicators for quick access of unit's status
- RS-232 interface for local supervision
- Pump current adjust by knob

Applications

- Coherent beam combining
- Detection system
- Sensing

Description

GIP Technology H-series Ytterbium Doped Fiber Amplifiers (YDFAs) are designed for use in the single-channel applications. These series incorporate a special, unique, and flexible structure to produce maximum signal gain and saturated output power. Through optimization of these important amplifier parameters, this module will be easily deployed into any of high-quality telecommunication platforms.

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, LED indicators, and various communication interfaces (RS232).

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Specifications

Optical Information		Unit	Description
Operating wavelength range		nm	1030 ~ 1100
Input power range		dBm	0 ~ 10
Saturated output power*1	Min.	dBm	30
Return loss	Min.	dB	45
Optical connector			SC or FC
Electrical Information			
Operating voltage		V	100 ~ 240 VAC
Interface			RS232
Environmental and Mechanical Information			
Operating temperature		°C	0 ~ 35
Storage temperature		°C	0 ~ 55
Relative humidity (non-condense)		%	5~85
Physical dimension		mm	Benchtop or Customerized

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

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