

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).

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 Customized

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

Ytterbium Doped Fiber Amplifier PM (Polarization Maintaining)-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 PM-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).

Specifications

Optical Information		Unit	Description
Operating wavelength range		nm	1030 ~ 1100
Input power range		dBm	0 ~ +10
Saturated output power*1	Min.	dBm	30
PER	Min.	dB	
Return loss	Min.	dB	45
Optical connector			SC or FC
Electrical Information			
Power supply		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 Customized

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

Ytterbium Doped Fiber Amplifier S-Series

Features

- Bench-top package, with Strap-handled.
- Stable saturated output power.
- Optically isolated input and output ports to minimize system susceptibility due to connector reflections.
- Adaptor with shutter to avoid any human injuries.
- 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 S-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).

Specifications

Optical Information		Unit	Description
Operating wavelength range		nm	1030 ~ 1100
Input power range		dBm	-30 ~ 0
Saturated output power*1	Min.	dBm	16, 18, 20
Return loss	Min.	dB	45
Optical connector			SC or FC
Electrical Information			
Power supply		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 Customized

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