

Ytterbium Doped Fiber Amplifier S-Series

Features

- * Bench-top package, with Strap-handled
- * Stable saturated output power
- * Input and output signal monitoring
- * 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).



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Specifications

Optical Information		Unit	Description
Operating wavelength range		nm	1030 ~ 1100
Input power range		dBm	-30 ~ 0
Saturated output power* ₁	Max.	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 Customerized

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

