

High Power Ytterbium-Doped Fiber Amplifier Unit

AMP-YFA-00-HP-U

Features

- * High output power up to 43 dBm
- * Bench-top package
- * High and stable saturated output power
- * RS-232 for local supervision

Applications

- * Coherent beam combining
- * Spectroscopy & Interferometry
- * Sensing system

Description

GIP Technology High Power Ytterbium-Doped Fiber Amplifier Unit (AMP-YFA-00-HP-U) is designed for use in the high-power applications. These series incorporate a special, unique, and flexible structure to produce maximum signal gain and saturated output power while minimizing noise figure. In addition, these units also provide a user-friendly status monitoring via an LED indicators and communication interfaces (RS-232).



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Specifications

Optical Information		Unit	Description				
Saturated output power		dBm	30	33	37	40	43
Operating wavelength range ^{*1}		nm	1050 ~ 1080				
Input power range		dBm	0 ~ +10				
Polarization			Random or Linear				
Polarization extinction ratio ^{*2}	Min.	dB	17		15		
Connector			SC, FC or collimator				
Electrical Information							
Operating voltage		Volt	100~240 VAC				
Pump LD ON/OFF switch			Key				
Control interface			RS232				
Environmental Information							
Operating ambient temperature		°C	0 ~ 35				
Storage temperature		°C	-10 ~ 70				
Relative humidity (non-condensing)		%	5 ~ 85				
Mechanical Information							
Dimension		mm	250 x 390 x 100	2RU	3RU		

*1. other wavelength ranges are available.

*2. For PM type