

Single-Frequency Ytterbium Doped Fiber Amplifier Unit

AMP-YFA-SF-00-U

Features

- * High output power up to 42 dBm
- * Bench-top package
- * Single frequency application
- * High and stable saturated output power
- * RS-232 for local supervision

Applications

- * Coherent beam combining
- * Detection system
- * Sensing

Description

GIP Technology Single-Frequency Ytterbium-Doped Fiber Amplifier Unit (AMP-YFA-SF-00-U) is designed for use in the single-frequency and high-power applications. These series incorporate a special, unique, and flexible structure to produce maximum signal gain and saturated output power. 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	20	33	37	42
Operating wavelength range*1		nm	1050 ~ 1080			
Linewidth	Max.	KHz	100			
Input power range		dBm	0 ~ +10			
Connector			FC, SC 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.