

Multiport High Power Fiber Amplifier Rack

►► Description

YEDFA-MP series of high power fiber amplifiers are especially designed for FTTx, CATV, FDC and HFC analog amplification applications those require high reliability. Compared to conventional amplifiers, these modules are more compact, powerful, stable and reliable.

This line of high power fiber amplifier features a dual stage amplification configuration, pre-amplifier and power amplifier, the use of selected multi-channel splitters with extremely low IL and high reliability.

Both input and output signals are sampled and monitored with a feedback circuit. ACC (automatic current control) and APC (automatic power control) circuits are designed into the amplifier to ensure high stability and reliability of output power. Based on integrated power monitoring circuits, it features Ethernet or RS-232 network interface, supporting open network management protocol (SNMP), enhancing flexibility to maintain connectivity with customer's network management system.

►► Features

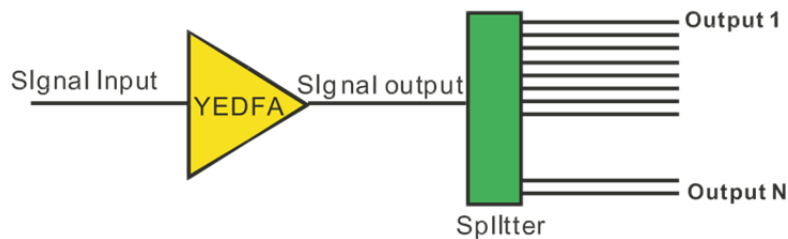
- Low noise figure
- Optional output configurations: 21.5dBm * 32 ports, 20dBm * 64 ports or 40dBm * 1port, etc.
- Highly reliable laser diode pumps
- High stability and reliability based on multi-mode pumping and fiber combiner technology
- Wide operating temperature range

►► Applications

- Test and Measurement
- Analog CATV transmission systems
- Optical distribution systems
- FTTx
- Free space communication

►► Specifications:

Typical Function Structure



Optical Characteristics

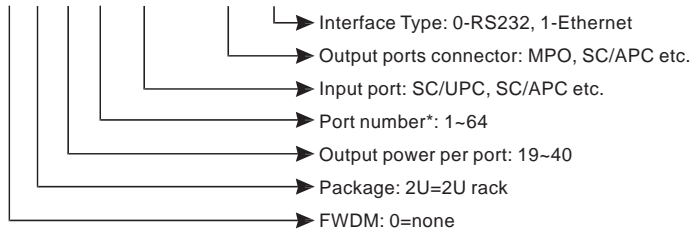
Parameter	Unit	Specifications			Notes
		Min.	Typ.	Max.	
Input Signal Wavelength Range	nm	1543		1565	
Input Port Power	dBm	-10		10	
Output Port Power	dBm	19		40	Other output power upon request
Output Ports		1		64	Other ports upon request
Signal Noise Figure	dB		5.0	7.0	0dBm input power, 1550nm
Signal Output Power Difference	dB			1.2	
Return Loss	dB	40			
PDL	dB			0.5	
PMD	ps			1	

Electrical & Environmental Characteristics

Parameter	Unit	Typ.	Notes
Interface Type		RS 232 or Ethernet	
Power Supply	V	AC 90-240 or DC-48, single or dual power supply	
Power Consumption	W	Max. 200	Depend on YEDFA power
Alarms		Case temperature over limit ; Pump laser temperature over limit; Pump laser current over limit ; Optical input too low ; Optical output too low	
Operating Temperature Range	°C	-5 to 55	
Storage Temperature Range	°C	-20 to 70	
Humidity	%	5 to 95	
Dimensions (W*D*H)	mm	482.6x400x88	19-in 2U rack
Cooling		Conductive via surface & Fans	

►► Order Information:

YEDFA-MP-X-XX-XX-XX-XX/XXX-XX/XXX-X



*Options are 21.5dBm * 32 ports, 20dBm * 64 ports or 40dBm * 1 port. Other options are available upon request.