

Pizza Box Type

Single-port Optical Amplifier

FITELWAVE OA-4201

FH-FA-20XX_



Main Features

- EIA/ JIS 19-inch rack mountable chassis.
- Low noise figure not exceeding 5.0dB (@Pin=0dBm).
- Hot-swappable redundant power supply units, adding additional reliability.
- Optical monitor port facilitating monitoring the video image.
- Manageable through Simple Network Management Protocol (SNMP).
- Having console port for setup and monitoring.
- Web-GUI inside, for monitoring parameters from usual Web-browser.

Specifications

	ITEM	SPECIFICATIONS
OPTICS	Wavelength	1550 ~ 1560nm
	Amplifier Control Mode	Automatic Level Control (ALC)
	Optical Port	3 ports (IN, OUT, OUT MON)
	Optical Input Power Range	0 ~ +10 dBm
	Optical Output Power Target (Pout_set)	OA-4201-B13/C (FH-FA-2014A): Default Target = +13.0 dBm (Changeable Target Range: + 8.0 ~ +13.0dBm) OA-4201-B17/C (FH-FA-2015A): Default Target = +16.5 dBm (Changeable Target Range: +11.5 ~ +16.5dBm) OA-4201-B19/C (FH-FA-2016A): Default Target = +19.0 dBm (Changeable Target Range: +14.0 ~ +19.0dBm) OA-4201-B22/C (FH-FA-2017A): Default Target = +22.0 dBm (Changeable Target Range: +17.0 ~ +22.0dBm)
	Optical Monitor Output	0dBm +/- 2dB @ Pout_set=Default Target
	Noise Figure	≤ 5.0dB @ [Pin=0dBm, Pout_set=Default Target]
MANAGEMENT	Management Interface	RJ45: Ethernet(SNMP, HTTP, TELNET) D-sub 15 pin (Female): Dry Contact D-sub 9 pin (Male): RS232C (TELNET) Reset Button: SV Reset Key Switch: Enable/Disable Pump LD(s).
	Alarm	Loss of Input, Output Deterioration, Abnormal LD Current, Abnormal LD Temperature, PU-Alarm, FAN-Alarm, etc.
	Monitor	Input Power, Output Power, LD Current, LD Temperature, Amplifier Case Temperature, etc.
	Control	Enable/Disable Pump LDs, etc.
	LED	IN, PU0, PU1, FAN, FAIL: Red LED is Lit in case of alarm. LD (Pump Enable/ Disable): Green LED is lit in case that the pump LDs are activated. ACT: Green LED is lit in case that the equipment is supplied with proper electric power and SV is activated.
	Dry Contacts	CRITICAL/ MAJOR/ MINOR Each alarm is assigned to one of the three dry contacts above. Assignment is changeable by the customer.
	Optical Connector	SC/APC (For each of 'IN', 'OUT' and 'OUT MON' ports. The 'OUT' port has a mechanical shutter.)
POWER SUPPLY, MECHANICS, etc.	Optical Fiber	SMF
	Power Supply	AC100+/-10V, 50/60 Hz
	Power Consumption	28W/56VA(FH-FA-2014A), 30W/60VA(FH-FA-2015A), 35W/70VA(FH-FA-2016A), 50W/100VA(FH-FA-2017A)
	Laser Safety (*1)	Class 1M (FH-FA-2014A, 2015A, 2016A), Class 3B (FH-FA-2017A)
	Cooling	Forced Air Cooling by redundant cooling fans.
	Environment	Operating Temperature: 0 ~ +40 deg.C/ Operating Humidity 20 ~ 80% (w.o. condensation)
	Mountable Rack	JIS/EIA 19-inch rack mountable. (Please use supporting angles)
	Dimensions	1U: 483(W) X 44(H) x 400(D) mm (Excluding protrusions.)
Mass	9kg or less.	

(*1) In accordance with IEC 60825-1 Edition 1.2 (2001-08)



Caution

For safe use of this product, please never fail to read through the product manual before starting to use it.

Specifications and appearance of the product may be changed in the future without any prior notification.