

Pizza Box Type

Multi-port Optical Amplifier

FITELWAVE OA-BASE

FH-FA-21XX_



<OA-BASE 16>

Main Features

- Multi-port optical amplifier suitable for distribution of analog video data.
- EIA/ JIS 19-inch rack mountable chassis.
- Variation of port number: 4/8/16/32 ports.
- Low noise figure not exceeding 5.5dB (@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)	
	Number of Output Ports	4/ 8/ 16/32	
	Optical Input Power Range	0 ~ +10 dBm	
	Optical Output Power (Per Port)	+11.5 dBm/port Typ Number of Ports= 4/8/16/32 Model: FH-FA-2101A/ 2102A/ 2103A/ 2104A +13.0 dBm/port Typ: Number of Ports= 4/8/16/32 Model: FH-FA-2141A/ 2142A/ 2143A/ 2144A +16.0 dBm/port Typ: Number of ports= 4/8/16/32 Model: FH-FA-2111A/ 2122A/ 2113A/ 2114A +20.0 dBm/port Typ.: Number of Ports= 4/8/16 Model: FH-FA-2121A/ 2122A/ 2123A	
	Uniformity of Output Ports	+/- 1.0dB	
	Optical Monitor Output	0dBm +/- 2dB	
	Noise Figure	≤5.5dB @ Pin=0dBm	
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.)	
	Optical Fiber	SMF	
POWER SUPPLY, MECHANICS, etc.	Power Supply	AC100+/-10V, 50/60 Hz	
	Power Consumption	95W/ 185VA or less (Power consumption varies between models.)	
	Laser Safety (*1)	Class 1M	
	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: 481(W) X 44(H) x 400(D) mm (excluding protrusion) * FH-FA-2101A/ 2141A 2U: 481(W) X 88(H) x 400(D) mm (excluding protrusion) * 4/8/16 port models (except 1U models). 3U: 481(W) X 132(H) x 400(D) mm (excluding protrusion) * 32 port models.	
	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.



THE FURUKAWA ELECTRIC CO., LTD.
2-3, Marunouchi, 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan

Bound to Innovate
<http://www.furukawa.co.jp>

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