

New Products

High-Power Multi-port Optical Amplifier with maximum of 32 output ports in a chassis is recently released for the Cable Television (CATV) optical network to distribute wide bandwidth multiple video signals. Four output ports are equipped for a post-amplifier unit. Multi-port amplifier is used to install for the last one mile to subscribers in CATV network. This new type multi-port amplifier and the already released both single-port type optical amplifier and the 16 outputs type multi-port amplifier will amply meet the various market requirements.

The system structure of pre-amplifier and post-amplifier is newly adopted for the development of maximum 32 ports type multi-port amplifier. The pre-amplifier supports 8 units of the post-amplifier by amplifying the input optical power level to the level adequate for the input power level of each post-amplifier. A post-amplifier equips 4 ports of +20 dBm output ports. Pre-amplifier realizes higher reliability by an additional pump laser. The appearance is such that the sub-lack unit is fixed to EIA adopted 19 inches lack 3 U sizes, and a sub-lack has a slot for the pre-amplifier unit and 8 slots for post-amplifier units. It realizes the maximum capacitance of approximately 500 subscribers in a sub-lack with post distribution splitters.

High-Power Multi-port Optical Amplifier for CATV



Fig. Appearance.

Table. Specifications.

	Item	Description
1	Units/chassis	① PreAmp unit (1input/8output)---1 pc ② PostAmp unit (1input/4output)---8 pcs ③ Power unit---2 pcs ④ Fan unit---3 pcs ⑤ SNMP unit---1 pc [All units are available hot swap operation.]
2	Input & output ports /chassis	Input : 1 port Output : max.32 ports (4ports×8units)
3	Wave length	1550 ~ 1560 nm
4	Optical input power	-5 ~ +9 dBm
5	Optical output power	+20 dBm
6	Noise figure(NF)	6.5 dB or less

[Information]

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