Features

∗ Saturated output power up to 38dBm

∗ Up to 64 output port

∗ Optional WDM build-in

∗ Optically isolated input and output ports to minimize system susceptibility due to connector reflections

∗ Redundant dual power supply

Applications

∗ Analog and digital CATV transmission system

∗ FTTx PON Triple-Play system

∗ Long-haul transmission systems

Description

GIP Technology Erbium-Doped Fiber Amplifier for CATV and PON (TLM-CEFA-CA-00-U) is designed for using in the CATV, FTTH, and PON applications.   The flexible design of port number can accurately meet the customer requirements.   The hot-swap redundancy design for the fan units makes the customer to be able to replace the broken ones without halting the system transmission. The compact rack-mounted unit serves the area size.

In addition, these units also provide a user-friendly status monitoring via an LCD display, LED indicators, and various communication interfaces (RS-232 and SNMP).

August 1, 2022

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Specifications

Optical Information		Unit	Description	
			EFA-V-R1	EFA-V-R2
Operation wavelength		nm	1545 ~ 1562	
Total output power	Max.	dBm	33	38
Input power range		dBm	-5~ +10	
Number of ports[1]			1/2/4/8/16	16/32/64
Noise figure[2]	Max.	dB	6.0	
Port to port variation			-0.5 ~ +0.5	-0.6 ~ +0.6
Optical isolation	Min.	dB	30	
Return loss	Min.	dB	45	
Electrical Information				
Operating voltage		Volt	100 ~ 240 VAC	
Pump LD ON/OFF switch			Key	
Control interface			RS232 & SNMP	
Environmental Information				
Ambient temperature		°C	0 ~ 50	
Storage temperature		°C	-20 ~ 80	
Relative humidity (non-condense)		%	5 ~ 85	
Mechanical Information				
Dimension			19" and 23" 1-RU rack	19" and 23" 2-RU rack

*1. Optional WDM build-in

*2. @Pin=0dBm