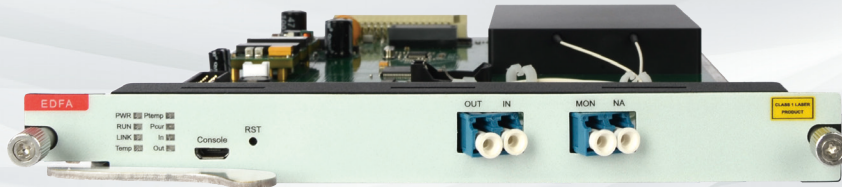


CDTrans-EDFA

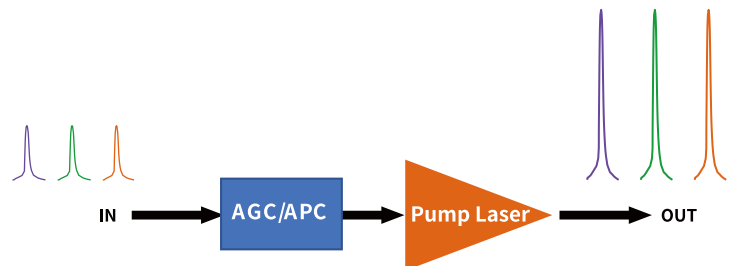
EDFA is a C-Band erbium-doped optical power amplifier with low noise and flat gain. The core device adopts a high-reliability Pump laser, adopts unique ATC and AGC circuit control, cooperates with professionally designed GFF and matched optical path design, so that the flatness and noise of EDFA are optimized, thus realizing APC and AGC functions.

EDFA is divided into the power amplifier, line amplifier and pre-amplifier.



Product Highlights

- Support optical signal amplification of C-band.
- Support the maximum saturated output power of +20dBm and the minimum input power of -35dBm.
- Support power amplification, line amplification and pre-amplifier.
- Support Web and CLI.
- Support AGC/APC working mode.
- Support optical monitoring port (MON)



Product Description

Items	Description		
Model	CDTrans-BA20G22	CDTrans-LA20G22	CDTrans-PA20G32
Amplifier type	boost amplifier	line amplifier	preamplifier
Operating wavelength range	1528-1566nm	1528-1566nm	1528-1566nm
Input optical power range	-23dBm~12dBm	-30dBm~5dBm	-30dBm~5dBm
Output optical power range	-4dBm~20dBm	-11dBm~20dBm	-1dBm~20dBm
Adjustable gain range	19dB~25dB	19dB~25dB	29dB~35dB
Gain flatness	1.5dB		
Noise coefficient	5.5dB		
Polarization Dependent Gain	0.5dB		
Polarization mode dispersion	0.5ps		
Input return loss	45dB		
Output return loss	45dB		
Control mode	AGC (default), APC,ACC		
Port	Input, 1*LC; Output, 1*LC; Monitoring, 1*LC		
Network management function	CLI,WEB		
Dimension (H*W*D)	170*22*245 mm		
Working environment	Working temperature: -10°C ~ 60°C Storage temperature: -40°C ~ 85°C Humidity: 5% ~ 90% without condensation		
Power consumption	< 12W		