

EDFA High-Power 1550nm Fiber

ACE WE1550YZ



Application

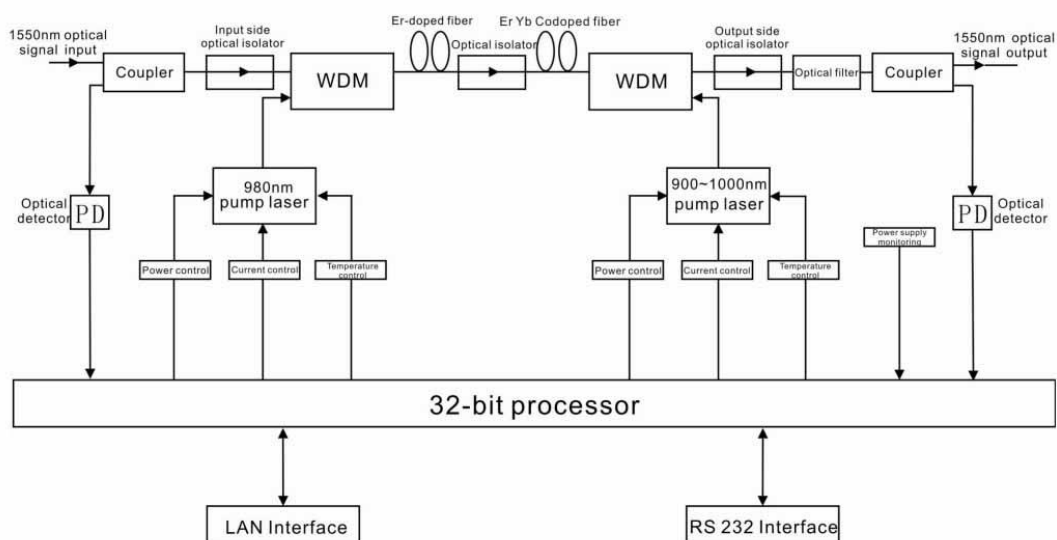
- Single-mode fiber 1550 amplification network
- FTTH network
- CATV network

Performance Characteristics

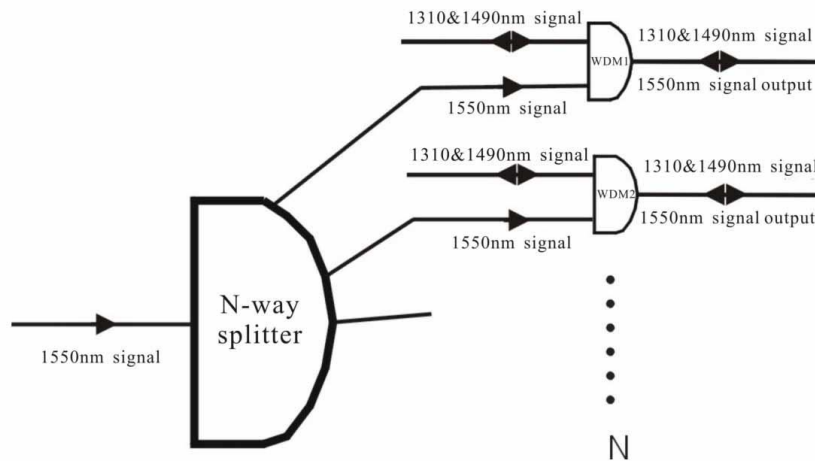
This product is a low noise high-performance Er Yb codoped fiber amplifier. Each output built-in CWDM (1310/1490/1550) wavelength division multiplexer. Conveniently multiplex the data stream of OLT and ONU to the fiber amplifier output by 1310nm and 1490nm optical connector. Thus reduced the equipment quantity, improved the system indexes and reliability. It is the ideal equipment for FTTH network, provides a flexible and low cost solution for the integration of three

- Adopts Er Yb Codoped double-clad fiber technology;
- Output ports: 4-64 optional;
- Optical output power: total output up to 8W;
- Low noise figure: <6dB when input is 0dBm;
- Perfect network management interface, in line with standard SNMP network management;
- Intelligent temperature control system make the power consumption lower;

Block diagram:



Built-in WDM schematic diagram



Specifications:

PRODUCT		WE1550YZ	
Item	Unit	Technique parameters	
CATV pass through wavelength	nm	1545 - 1565	
PON pass through wavelength	nm	1260 - 1360 & 1480 - 1500	
PON insertion loss	dB	<0.8	
Isolation	db	>30	
CATV optical input power range	dBm	-5 - +10	
Maximum optical output power	dBm	38.5	
Output power stability	dBm	±0.5	
Noise figure	dB	≤ 6.0 (Optical input power 0dBm, λ=1550nm)	
Return loss	Input	dB	≥ 45
	Output	dB	≥ 46
Optical Connector Type		INPUT port : SC/APC PON port : SC/UPC or LC/UPC COM port : SC/APC or LC/APC	
C/N	dB	≥ 50	Test condition
C/CTB	dB	≥ 63	according to
C/CSO	dB	≥ 63	GT/T 184-2002
Power supply voltage	V	A: AC160V - 250V(50 Hz); B: DC48V	
Consumption	W	≤ 70	
Operating temperature range	°C	-10 - +42	
Maximum operating relative humidity	%	Max 95% no condensation	
Storage temperature range	°C	-30 - +70	
Maximum operating relative humidity	%	Max 95% no condensation	
Dimension	mm	440(L)× 403(W)× 88(H)	

