

CATV 55WSE 1U Series High Power Er/Yb Doped Fiber Amplifier

MCR-55WSE01



Performance characteristics

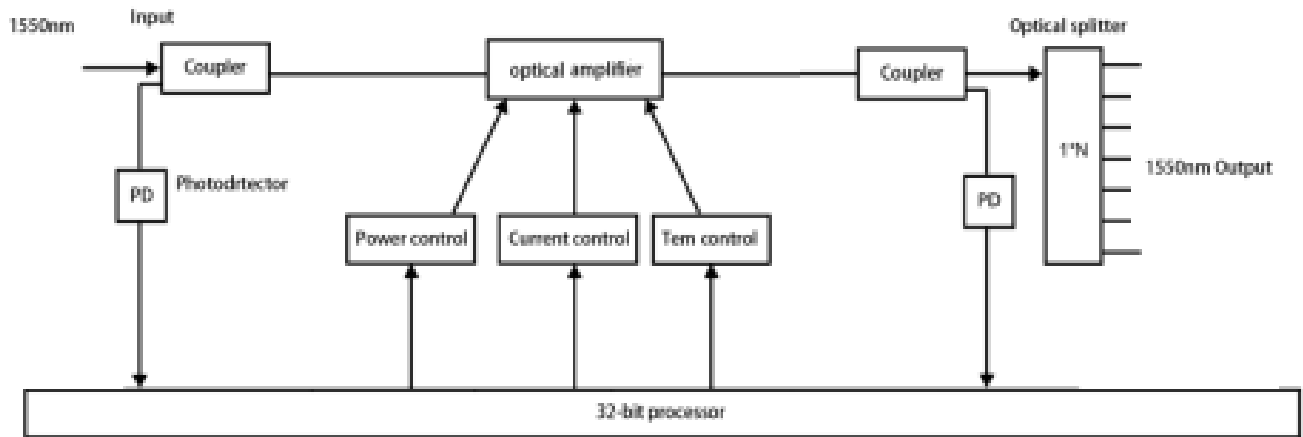
- ◆ Using erbium ytterbium co-doped double-clad fiber technology.
- ◆ Built-in low noise preamplifier, EDFA cascading unnecessary, greatly reduces the deterioration of CNR and MER.
- ◆ Output port optional: LC connector 32 ways optional.
- ◆ The front panel can be flexibly removed and replaced according to the number of output ports.
- ◆ The front panel key can set up and modify the device performance parameters to meet different network design requirements;
- ◆ The front panel indicator lights monitor and instruct the running status of device parameters in real time, easy to find problems in time;
- ◆ The total output power is optional: the highest total output is 6.5W (38dBm) ;
- ◆ Low noise figure: < 6dB @ 0dBm input;
- ◆ The perfect network management interface, conforms to the SNMP network management protocol;
- ◆ Dual power supply hot backup structure improves the system reliability;
- ◆ The output power +0.5~-4dBm is adjustable;
- ◆ The 144*32 blue dot matrix LCD display is used to realize parameter on-site monitoring

MCR GROUP, INC.

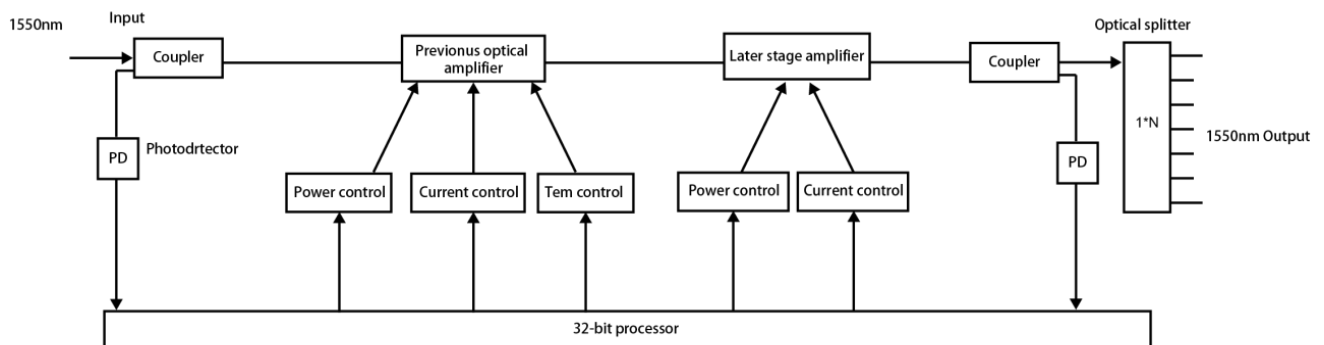
Applications

The 55WSE01 series high-power optical amplifier is a high-power multi-port output fiber amplifier with a gain spectrum bandwidth of 1535~1565nm. It is mainly designed for applications of CATV or 1~8 continuous strip channels (ITU wavelengths). It provides a flexible, low-cost solution for large-scale FTTH coverage of CATV systems in large and medium-sized cities.

Block diagram



(Single stage amplification)



(pre-stage+post-stage amplification)

.....

If you need more information, please contact us!