

GWA3500 Series 1550nm Fiber Amplifier

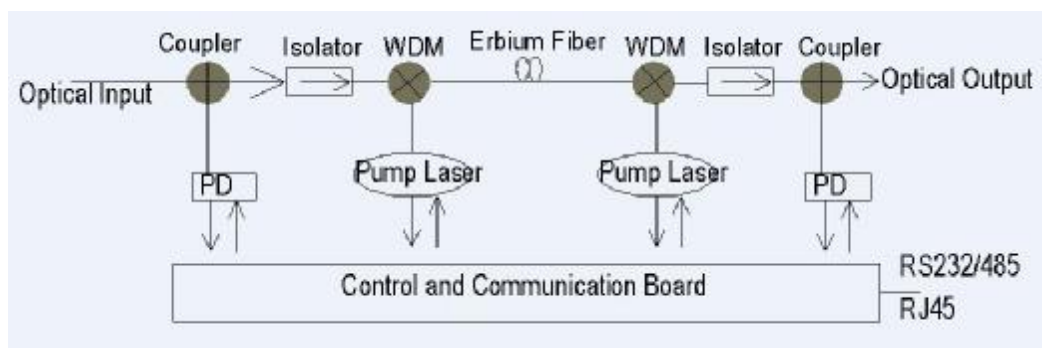
GWA3500 series Erbium Doped Fiber Amplifier (EDFA) is important 1550nm relay transmission equipment for TV signals, digital video, telephony and data long haul transmission. With well-qualified optical and electronic circuits design, GWA3500 keeps the excellent optical and electrical performance by using high quality devices. All materials applied in GWA3500 EDFA meet RoHS requirement.



Features

- l 19" 1U standard housing with VFD display
- l High quality low noise 980nm/1480nm pump lasers
- l High quantum efficiency Erbium Doped Fiber
- l Built-in microprocessor real time control lasers and the amplifier
- l VFD on the front panel displays accurate working parameters
- l RS232/RS485 or RJ45 interface available
- l RoHS Compatible

Block Diagram



Specifications

Optical Parameter

Wavelength: 1530 ~1565nm
Optical Input Power: -3.0 ~ +10dBm
Saturated Output Power: 14 ~ 23dBm
Optical Return Loss: > 55dB
Pump Laser Wavelength: 980nm or 1480nm
Noise Figure: $\leq 4.5\text{dB}$ (17dBm)
 $\leq 4.7\text{dB}$ (20dBm)
 $\leq 5.0\text{dB}$ (22dBm)
 $\leq 5.3\text{dB}$ (23dBm)

Power Supply

Power Supply: AC: 100V~240V (50/60 Hz) or -48V DC
Power Consumption: $\leq 25\text{ W}$ (less than 20dBm), $\leq 30\text{ W}$ (higher than 20dBm)

Environment

Working Temperature: 0~45°C
Storage Temperature: -20~65°C
Humidity: 95% non-condensing

Physical Parameters

Weight: $\leq 10\text{Kg}$
Dimensions (mm): 483 × 320 × 44

Customer Interface

RS232/RS485 network interface or RJ45 Ethernet interface
SC/APC or FC/APC fiber connector

Ordering Information

GWA3500-AB-CD-EF
AB: The optical power in dBm from 14dBm up to 23dBm
CD: FC_FC/APC
SC_SC/APC
EF: none _220V AC
48_-48V DC power supply