



GAD series is a low noise, high performance, FTTP high power, multi-ports optical amplifier with gain spectrum band within 1540~1563nm. Each output port for optical amplifier has built-in well-performed CWDM. Every external up-link optical port of optical amplifier can connect with OLT PON port very conveniently. Each 1550nm (CATV)'s output optical port multiplex 1310/1490nm's data stream, in order to reduce the quantity of the component and improve the index and reliability of the system.

PRODUCT HIGHLIGHTS

- High power: up to 2W total, 1Unit for 2000~4000 optical node
- Low CSO: below 5.5dB (@+5dBm input)
- Er-Yb co-doped DCF amplify technology: Patent Pump Dump Technology
- Low CSO: <-70dBc
- 23dBm×N.20dBm×N or 17dBm×N output is optional
- Controllability and maneuverability: Dual CPU to deal Control loop and communication separately
- High stability and reliability: MTBF>150000 hours
- Redundancy Hot Swap Power module: 220VA-C/-48VDC can plug mix
- Perfect network interface: Ethernet,RS-485 and RS-232
- Support Telnet and SNMP network management
- Intelligent Temperature Control System: use a dedicated Temperature control chip which make cooling and power loss reduce 30% than competitors
- output power can be adjustable by network and manual
- Integrated 1310nm, 1490nm, 1550nm WDM (Optional)
- OEM is available
- compatible with Bellcore GR-1312-CORE

APPLICATION

1. Analog CATV Transmission
2. FTTH Optical Access
3. Optical Distribution
4. Free Space Optical
5. R&D and Training

ELECTRIC CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Power supply	Vps	85/170	110/220	132/264	VAC

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Temperature	Tw	-5	-----	60	°C
Storage Temperature	Ts	-40	-----	80	°C