



HIGHLIGHTS

- **High output power for Long-haul and fiber deep applications**
- **Low noise figure minimize signal degradation**
- **2-RU 19" rack mount package save head-end space**
- **Convenient Network management via Embedded SNMP agent (v1, v2c, v3) and Web (HTTP) serve**

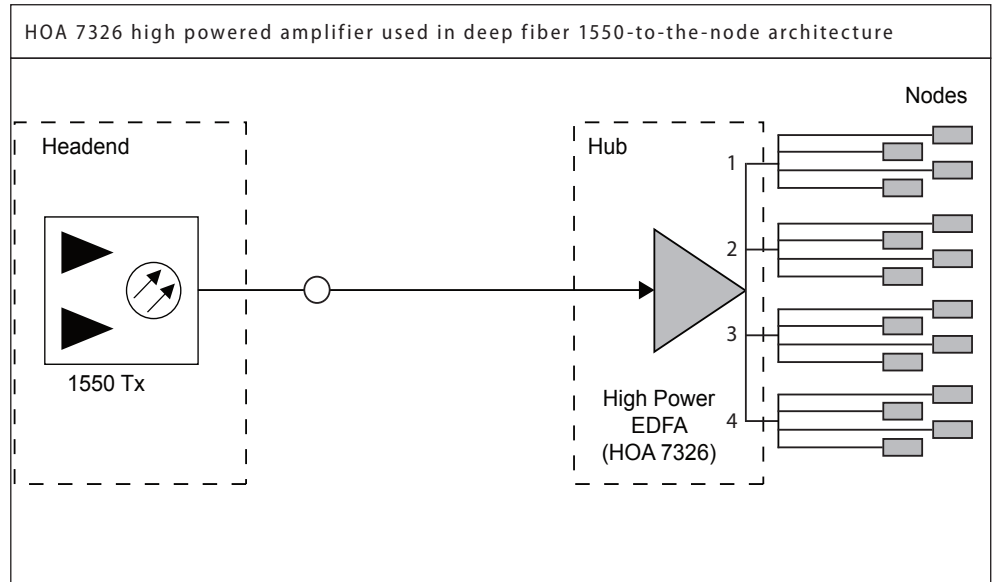
The Harmonic MAXLink™ transmission system is a family of transmitters and optical amplifiers designed for 1550 nm-based network applications. The MAXLink system provides a cost-effective solution for a variety of applications and architectures, including long haul applications and fiber dense architectures which take advantage of high power optical amplifiers. In addition, this system is ideally suited for new, evolving transport architectures such as redundant rings, broadcast layer transmission, and hub interconnects used in broadband networks.

The MAXLink product line consists of rack mount modules for 19" racks, including the HLT series of broadcast optical transmitters as well as a full range of HOA series of optical amplifiers. Full monitoring and configuration are available through the embedded SNMP agent and HTTP server.



The HOA 7326 Optical Amplifier is optimized for use with the Harmonic MAXLink product line. The amplifier was designed primarily for deep fiber architectures that require high optical power in the distribution section of the network. A typical application is shown below.

HOA 7326 Typical Applications



Optical Output

Wavelength Range	1535 to 1565 nm
Input Power Range	-5 to +10 dBm
Number of Output Port	4
Output Power per port	20 dBm typical
Optical Power Adjustment Range	4 dB down from maximum
Noise Figure ¹	< 5.0 dB typical, <6.0dB Maximum
Optical Return Loss	> 50 dB
Polarization Sensitivity	< 0.5 dB
Connector Type	SC/APC or E2000

Powering

AC Version	110/220 V, 50/60 Hz
DC Version	-48 V
Consumption	75 W maximum

User Interface

Front Panel	LEDs Power (green) Status(green/red) Laser output enabled (green) Laser on (green)
Optical Test Point	Power Level -2 to 2 dBm
Rear Panel	Power Supply Connector Laser enabled/off switch Low optical power mode manual switch LED Laser output enabled

Network Management

SNMP Protocol	v1, v2c, v3
HTTP Protocol	HTTP 1.1 (with Web browser-based authentication)

Environmental

Operating Temperature Range	-0° to +50° C 32° to 122° F
Storage Temperature Range	-40° to +70° C -40° to +158° F
Maximum Relative Humidity	85%, non-condensing

Physical

Dimensions (W x H x D)	19.0" x 3.4" x 12.0" (2-RU) 48.2 cm x 8.6 cm x 30.5 cm
Weight	20 lbs / 9.2 kg

Notes:

1. at 0 dBm optical input power.