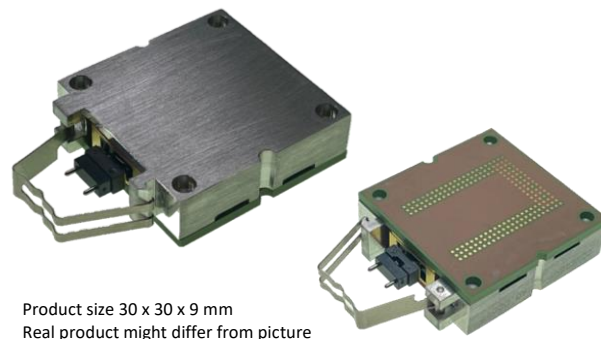


32 GHz Analog Optical Link Modules: AO-xCAO4x

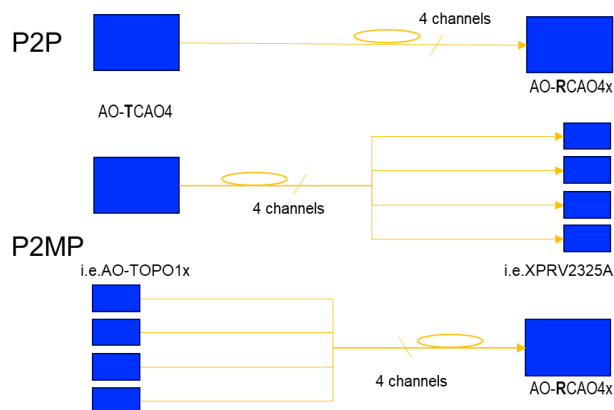
PRODUCT FEATURES

- Up to 4 independent channels
- Bandwidth ranging from 100 MHz up to 32 GHz
- Link gain > -3 dB
- Link length up to 10 km
- Target case operating temperature
 - Uncooled version (10°C to 65°C)
 - Cooled version (-40°C to 85°C)
- Small form factor per module (30 x 30 x 9 mm³)
- AC-coupled electrical LGA interface
- Uncooled power consumption per single link < 0.6 W



APPLICATIONS

- Intra satellite communications
- RFoF links C, X, Ku, Ka band
- Remote antenna
- Phased array antenna



The *AnalogWave™* AO-xCAO4x platform offers transmit and receive modules for analog optical links up to 10km via single mode fiber. It contains of 4 individual optical channels operating at frequencies up to 35 GHz. Attached with LGA interface including the RF in and output it is perfectly suited for mid board mounting and space operation and is avoiding bulky RF connectors.

The four independent amplified links offer a link gain of > -3 dBm@ an RF input power of -10 dBm and can be connected point to point or point to multipoint in both directions in harsh environments. Low weight, high robustness against electro-magnetic interference (EMI) and flexible routing especially in high channel counting applications like phased array antenna make it a perfect platform for many applications.

The cooled version is supporting industrial temperature range while the uncooled version offers the lowest power consumption of < 0.6 W for power sensitive applications like satellite communication.

Transmit modules AO-TCAO4x and receive modules AO-RCAO4x operate at 1.3μm in single mode fiber and can be connected with a ribbon fiber via the standard MT ferrule.

GENERAL STATEMENT

The 4 channel Transmitter is RoHS-6 compliant per Directive 2011/65/EC.

For more detailed information, please contact your local Sales partner or send a request to the Coherent homepage www.coherent.com/support.