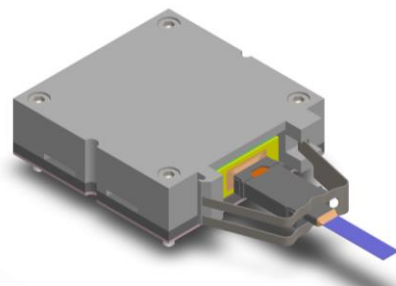


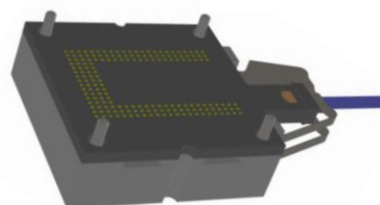
32 GHz Multi-Channel Analog Optical Transmitter: AO-TCAO4x-yyy

PRODUCT FEATURES

- Supports up to 4 independent controllable channels
- AC-coupled electrical interface
- Bandwidth ranging from 100 MHz up to 32 GHz
- High optical output power (>7 dBm)
- Spurious free dynamic range (>50 dB)
- RF input power range -10 to 12dBm
- Detachable LGA electrical interface
- Operating case temperature
 - Uncooled version (10°C to 65°C)
 - Cooled version (-40°C to 85°C)
- Low SWaP Device
- Small Form Factor (30x30x8mm³)
- Uncooled Power consumption < 1.1 W

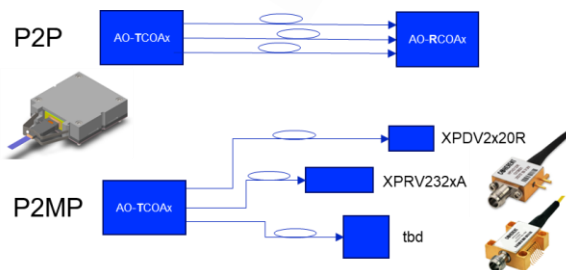


Picture shows product example, actual product might differ



APPLICATIONS

- Ka/Ku band satellite communications
- 5G satellite communications
- Remote antennas
- Phased array antenna



The AO-TCAO4x-yyy is an analog optical transmitter module, operating at 1.3 μm in single mode fiber connected with an MT male ferrule. It consists of 4 individual optical channels operating at frequencies up to 35 GHz. The four externally modulated lasers offer best possible performance with high output power, low noise and a high link gain. An uncooled version offers lowest possible power consumption of < 1.1 W for use in satellite applications, whilst a cooled version supports an extended industrial temperature range of -40°C to 85°C. The hermetic optics are best suited for harsh environments, whilst delivering leading edge performance.

A complementing Receiver module AO-RCO4x-yyy is also being offered, to complete point to point RF links and to offer lowest total power consumption of 0.5 W per single link.

GENERAL STATEMENT

The 4 Channel Transmitter is RoHS-6 compliant per EU Directive 2011/65/EC and is class 3R laser eye safety compliant per IEC 60825-1.

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