



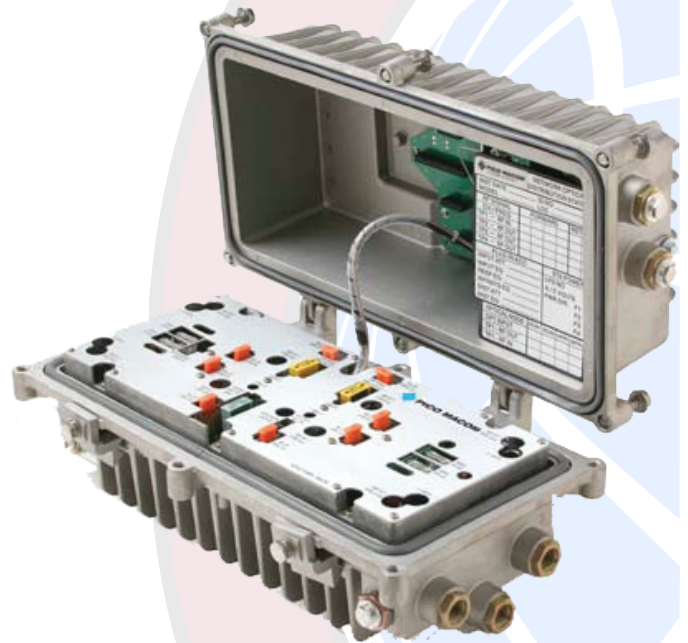
Pico Macom - 4 Way Outdoor Optical Nodes

Description

The Pico Macom PON-4 and 4R are state-of-the-art four-output outdoor optical CATV broadband nodes with a 48dBmV spurious-free output level. The RF output level is easily maintained because of the sensitivity and low noise threshold of GaAs amplifier modules used in the unit design. Internal to the unit are plug-in equalizer, attenuator and diplexer filters, making the unit adaptable to current and future CATV broadband services. The PON-4 and 4R have four balanced bi-directional ports RF output ports capable of passing power into and out of the nodes.

Key Features

- Rugged, weather-resistant aluminum die-cast case enables outdoor operation over extreme temperature ranges.
- Forward band 54~860 MHz; return band 5-42 MHz (PON-4R option) allows bi-directional flow of data from customer to the headend.
- Wide optical window (-6dBm to 3dBm) provides excellent operation at low optical input levels.
- Broadband hybrid power doubler technology provides superior RF performance and very low composite intermodulation distortion.
- Choice of frequency diplexer splits: comes with 42/54 (30.45 and 65.87 optional) for both NTSC and PAL applications.
- Power factor corrected 60 and 90 Vac cable (line) powering provides efficient and smooth power regulation.
- Plug-in attenuator and equalizer pads for excellent broadband amplifier linearity and signal balancing.
- Internally integrated surge-resistant circuitry protects hybrid amplifier modules against damage, guaranteeing long term operation.
- Optional forward redundancy with two 1310/1510 optical receivers.
- Flexible reverse path with 1 to 4 reverse transmitters per node.
- 15 amperes current passing capacity and 15 amperes surge survivability.



PON-4

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