



Class 1 NG-PON2 Transmitter

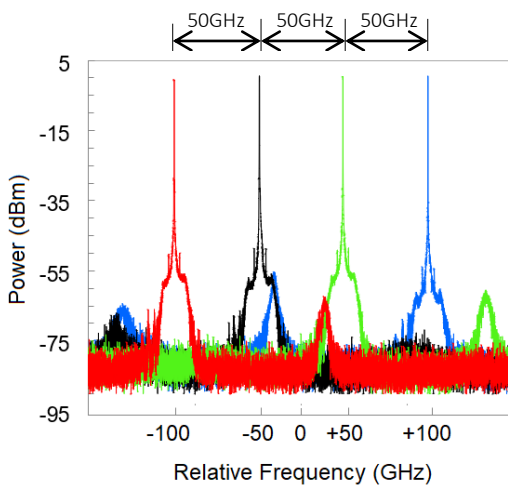
Pilot Photonics' NG-PON2 TOSA is based on a multi-section, directly-modulated laser design with an integrated amplifier and proprietary chirp reduction system. It is compliant with ITU-T G.989.2 class 1. Sampling in high-speed butterfly packages, April 2019. Production devices ship in bare dies, or TOSA packaged formats, from December 2019.

Features

- 4 x 50 GHz NG-PON2 compliant wavelengths
- Class 1 wavelength switching speed (coming soon)
- Simple wavelength selection
- 10 Gbit/s direct modulation
- Chirp reduction system
- Cost-effective approach

Applications

- NG-PON2 transceivers
- Direct modulation architectures up to 40km



4 x 50GHz Channels can be selected via current tuning with nanosecond switching speeds

Typical Specifications

Frequency	195.5 THz, 195.45 THz, 195.4 THz, 195.35 THz.
Tuning Time	<10 μ s
Data Rate	9.95328 Gbit/s
Output Power	6 dBm
Extinction Ratio	4 dB
Form Factor	Bare die, TOSA, 7pin Butterfly

Class 1 Coming Soon