EFFECT PHOTONICS

NEXT-GEN PHOTONICS

17 dBm nano ITLA for 400/800G coherent transceivers

Continuous-wave tunable laser source for core, metro, access and DCI networks. Fully integrated 17 dBm sub-assembly in compact nano form factor.

Output power 17 dBm	Form factor nano ITLA
Tuning range C-band	Target application 400G ZR / 400G ZR+ / 800G ZR
Temperature I-temp	Management interface OIF ITLA MSA 01.3

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INTEGRATION

Technical spec sheet

PARAMETER	TYPICAL	UNIT
Output power	+17	dBm
Tuning range	191.3 - 196.1	THz
Linewidth	< 300	kHz
Power consumption	2.9	W

PERFORMANCE

Performance metrics

Ultra-narrow linewidth tunable laser designed for next-generation coherent optical communications. It offers an ideal balance of performance, power efficiency, and flexibility for 400ZR, ZR+, and 800G coherent pluggables

Power Consumption

Optimized power consumption for pluggable modules for both C-temp and I-temp.

<2.9 W

Linewidth

Industry-leading intrinsic linewidth ensuring maximum signal integrity for 400G and 800G transmission.

<300kHz

Power Output

High optical output power with exceptional stability over the entire operating temperature range.

17 dBm

Form Factor

Ultra-compact nano-ITLA footprint suitable for industry-standard pluggables and line cards.

nITLA