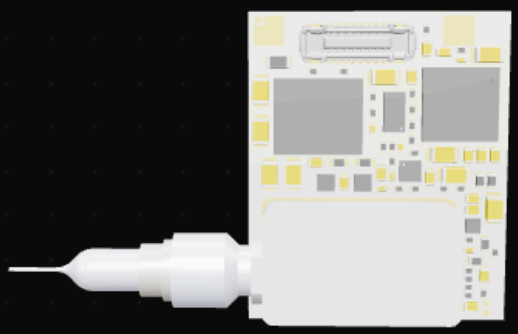
EFFECT PHOTONICS

NEXT-GEN PHOTONICS

14 dBm pico ITLA for 100G coherent transceivers

Continuous-wave tunable laser source for digital coherent edge and access applications. Fully integrated 14 dBm sub-assembly in ultra-small pico form factor.

Output power 14 dBm	Form factor pico ITLA
Tuning range C-band	Target application 100G ZR
Temperature I-temp	Management interface OIF ITLA MSA 01.3



EFFECT PHOTONICS

Technical spec sheet

PARAMETER	TYPICAL	UNIT
Output power	+14	dBm
Tuning range	191.3 - 196.1	THz
Linewidth	< 500	kHz
Power consumption	1.8	W

PERFORMANCE

Performance metrics

Narrow linewidth tunable laser designed for next-generation coherent optical communications. Precision engineered for 100G and 400G transmission.

Power Consumption

Ultra-low power consumption at commercial and industrial temperature ranges.

<1.8 W

EFFECT PHOTONICS

Linewidth

Industry-leading intrinsic linewidth ensuring maximum signal integrity up to 400G transmission.

<500 kHz

Power Output

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

>14 dBm

Form Factor

Ultra-compact pico ITLA footprint to fit in QFSP28 and QFSP-DD form factors.

pITLA