

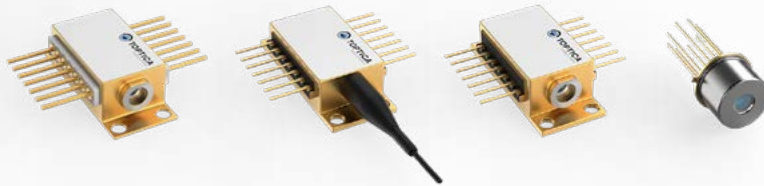
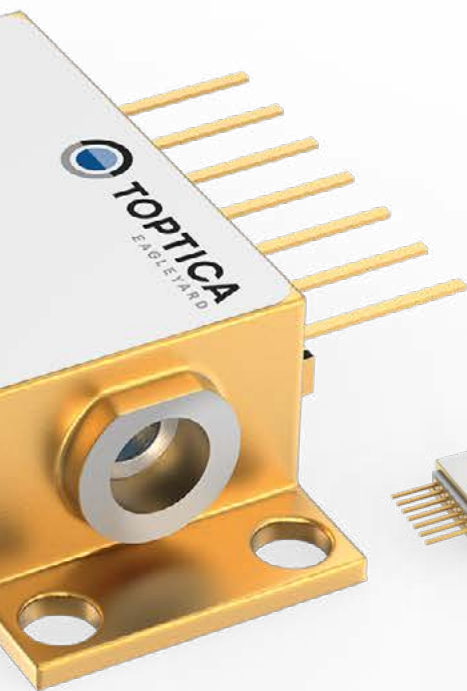


interferometry

lidar

optical clocks

inter- & intra-satellite communication



# THINKING BEYOND

Unique laser diodes for demanding space applications

# OUR SPACE PORTFOLIO

Highly integrated. Fully compliant.  
With space heritage\*.

MIL-STD 883 COMPLIANT

ESCC 23201/23202 COMPLIANT

TELCORDIA GR-468 COMPLIANT

SPACE HERITAGE TECHNOLOGY

## INTERFEROMETRY & LIDAR

- + DFB laser diodes @ 1064 nm with output powers from 25 mW – 40 mW cw mode and 600 mW pulsed mode  
all in hermetically sealed butterfly packages with fiber or free beam
- + **μMOPA** @ 1064 nm with output power of 2 W cw or > 6 W pulsed mode in hermetically sealed butterfly package

## OPTICAL CLOCKS

- + DFB laser diodes @ 780 nm with output powers from 20 – 80 mW
- + DFB laser diodes @ 795 nm with output powers from 40 mW – 80 mW
- + DFB laser diodes @ 852 nm with output powers from 15 mW – 100 mW

all in hermetically sealed butterfly packages  
with fiber or free beam

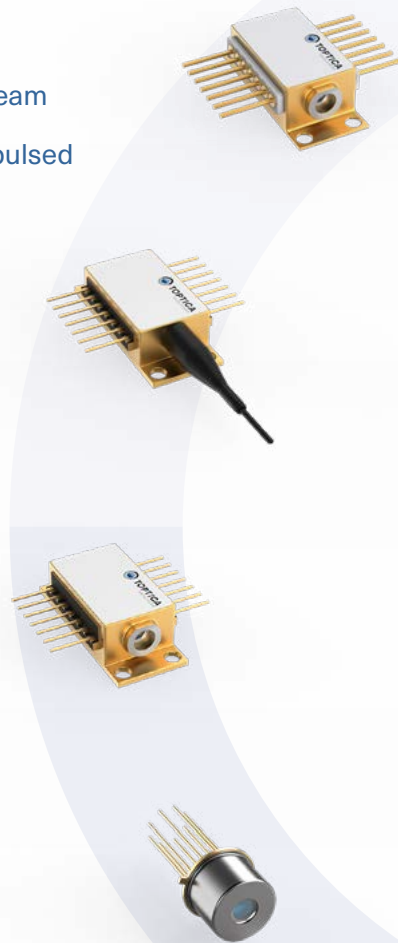
- + DFB laser diode @ 895 nm with output power of 50 mW in TO-package

## OXYGEN DETECTION

- + DFB laser diodes @ 760 nm with output powers from 15 mW – 40 mW in hermetically sealed butterfly or TO-packages

## INTER- & INTRA-SATELLITE COMMUNICATION

- + Fabry Perot laser diode @ 808 nm with 400 mW – 800 mW  
in hermetically sealed butterfly packages with fiber or free beam



\*Space heritage for 760 nm, 852 nm and 1064 nm based on GAIA (ESA), CATS (NASA), ExoMars (ESA) and MERLIN (DLR/CNES) programs. All other wavelengths in butterfly platform fulfill relevant parts of ESCC 23201/23202, MIL and Telcordia standards and can be easily qualified for space applications. Laser diodes can be customized as free beam or fiber-coupled or with other standard DFB wavelengths. Generally the DFB-butterfly products can be rated between TRL6 and TRL9 depending on its specific configuration.



### Contact us!

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