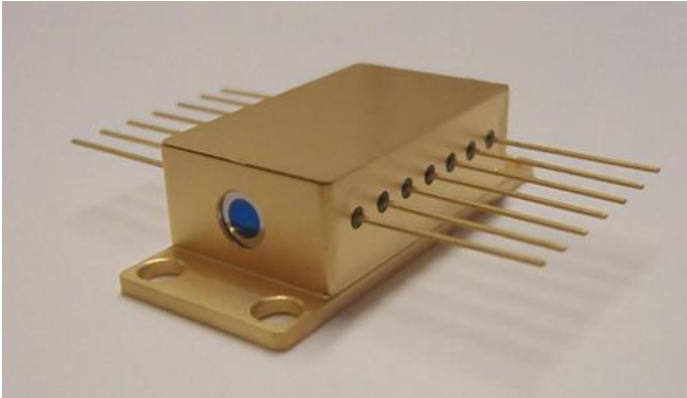


COMPACT & ROBUST EXTERNAL CAVITY DIODE LASER

30 x 12.7 x 8.9mm



REMOTE
ECDL

The REMOTE is ideally suited for use in quantum technology and spectroscopy applications. The laser module is fabricated using Alter Technology UK's advanced packaging techniques that employ high reliability telecoms manufacturing and space qualified processes to minimize size and maximize stability and reliability in a hermitically sealed package.

Key Features

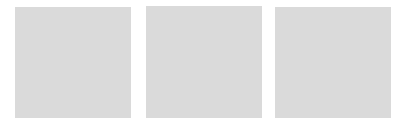
- Robust, reliable, and miniaturized
- External Cavity Diode Laser (ECDL)
- Hermetic 14-pin butterfly package
- Manufactured using space & telecoms qualified processes.
- Coefficient of Thermal Expansion (CTE) matched materials

Benefits

- Compact design
- Alignment-free, stable, and reliable
- High power > 100mW
- Narrow linewidth
- Integrated temperature sensor for precision control

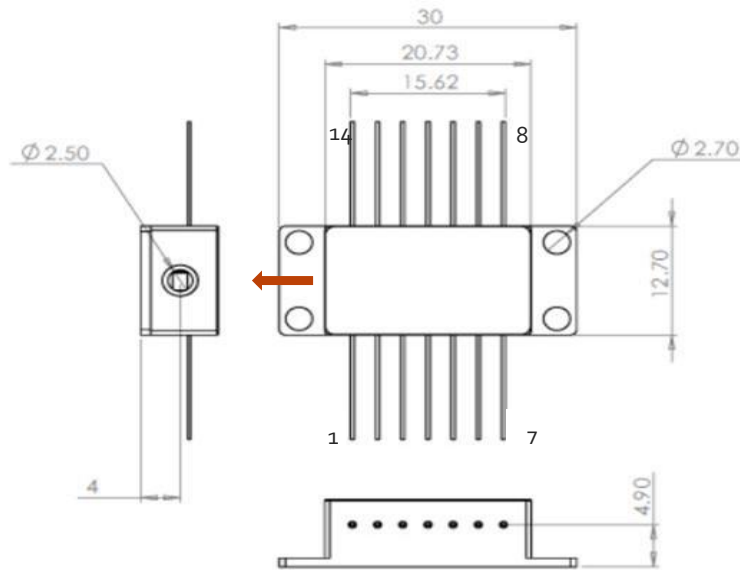
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TUVNORDGROUP

Mechanical Dimensions



Typical Performance

REMOTE	Wavelengths*		
Parameter [†]	780.24	785	852
Output power ^o	>100mW	>200mW	>100mW
Linewidth ^x	<100 kHz		
Mode-hop free tuning	>4 GHz		
Beam characteristics	< 1 mm FWHM, TEM ₀₀		
Divergence	< 2 mrad FWHM		
Polarization	Linear, 100:1		
Operating temperature range	+15 °C to +30 °C		