PRELIMINARY DATASHEET

NEW!

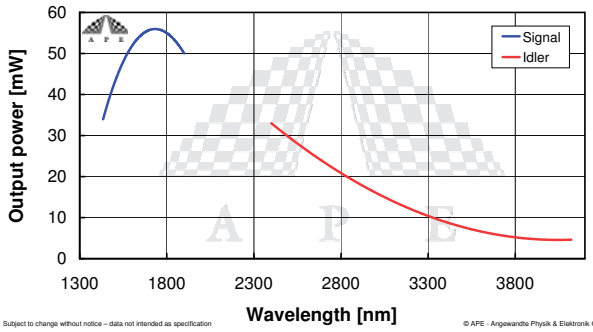
CryLaS

A P E

nanoLevante

OPO with integrated DPSS pump laser

nano Levante - Output power



The ***nano*Levante** is a new kind of compact nanosecond optical parametric oscillator (OPO) in an new pulse parameter regime generating light in the IR and MIR region.

The ***nano*Levante** is pumped by a compact industrial passively Q-switched YAG laser providing pulses in the tens of microjoule level with a multi kHz repetition rate.

It offers widely tunable light in the IR region from 1.45 ... >1.92 μm (Signal) and from 2.4 ... 4.0 μm (Idler) with an average output power in the miliwatt range and pulse energies at microjoule level.

With its integrated pump laser it is a compact, easy to use device for spectroscopy replacing multiple individual light sources.

- Computer controlled tuning
- Spectrometer included
- Wide tuning range
- Single shot capability
- Excellent beam quality

Ultrafast Pulse Diagnostics

Wavelength Conversion

Pulse Management

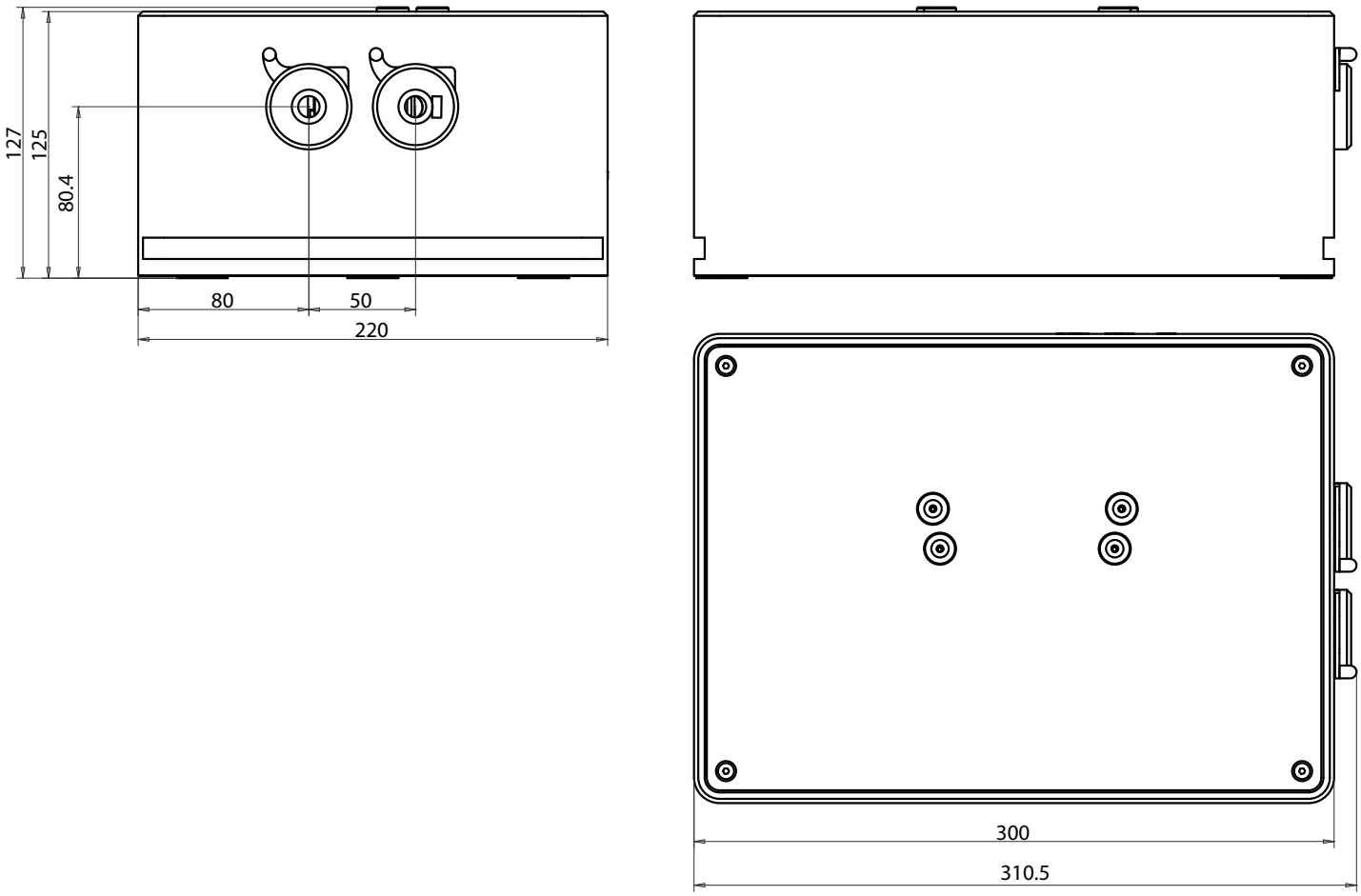
Acoustooptics

Your Partner in Ultrafast

nanoLevante

SPECIFICATIONS

Tuning range	1.45 ... 1.92 μm (Signal) and 2.4 ... 4.0 μm (Idler)
Spectral resolution	< 1 nm
Pulse duration	< 3 ns
Repetition rate	1 Hz ... 20 kHz
Trigger	intern or extern (TTL)
Beam quality	TEM_{00}
Average output power @15 kHz	> 40 mW (Signal) and > 10 mW (Idler, 2.4 ... 3,0 μm)
Pulse energy @15 kHz	> 2.5 μJ (Signal) (higher pulse energy optional)
DIMEMSIONS (W x H x D in mm)	180 x 150 x 300



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