

SM-MIR Series Mid-IR Supercontinuum Laser Source

The SM-MIR series is the new generation of supercontinuum laser delivering a unique spectrum in the Mid-IR. This efficient generation of the spectral broadening in a state of the art highly non linear fiber is based on LEUKOS' over 10 years' experience in the field of supercontinuum laser. The SM-MIR series is build on a mature reliable technology, the laser is turnkey, easy to operate and delivered with real achromatic collimated output to ensure a perfect collimation over its wide spectral range.

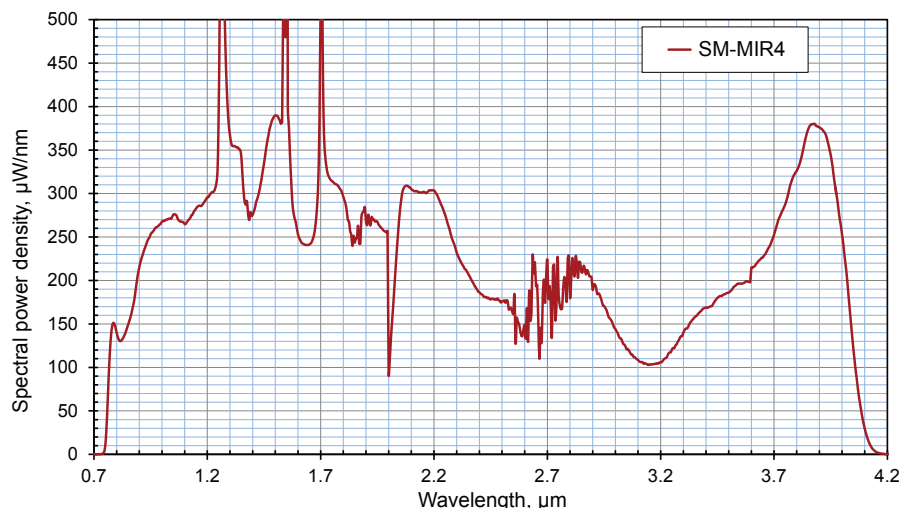
FEATURES

- IR spectral coverage 800 nm - 4000 nm
- Singlemode TEM00
- Total average power > 700mW
- Repetition rate > 100 kHz
- Flexible fiber output
- Achromatic collimation
- Reliable laser design
- Maintenance-free

APPLICATIONS

- Spectral imaging
- LIDAR
- Spectroscopy
- Chemical finger printing
- Metrology
- Microscopy

NEW
Mid-IR broadband laser
up to 4.100 nm



SM-MIR Series

Mid-IR Supercontinuum Laser Source

SM-MIR4

Optical specifications		
Spectral bandwidth	min	< 800 nm
	Max	> 4000 nm
Total average power		> 700 mW
Seed repetition rate ⁽¹⁾		> 100 kHz
Timing jitter		< 20 ns
Seed pulse width		> 100 ps
Power stability ⁽²⁾		+/- 2 %
Spatial mode		Gaussian, singlemode
Polarization state		Unpolarized
Fiber length		~ 1 m (armored cable)
Output connection		Collimator (reflective optics)
Synchronization		Trigger output (BNC)
Other specifications		
Control interface		Front panel, RS232
Operating temperature		+15°C to +35°C
Weight		< 15 kg
Dimensions (LxWxH) ⁽³⁾		483x250x134 mm
Power requirements		10-240V, 50/60Hz



OPTIONS

- Externally triggered
External clock TTL signal is required to trigger the laser.
- Pulse width
Other values of pulse width are available upon request.

- (1) Fixed repetition rate.
If option "Externally triggered" STM-MIR, a TTL input trigger signal with 50% duty cycle is required for laser operation.
- (2) Typical value of long-term stability for total average power.
- (3) Custom OEM packaging available upon request.

