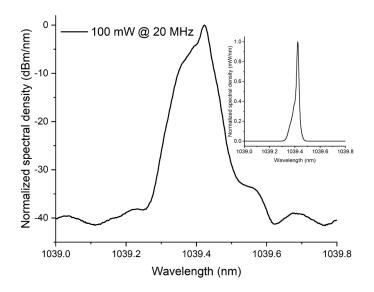


KEY FEATURES

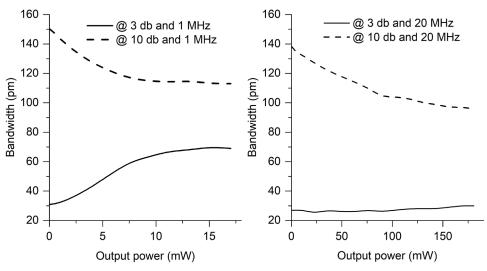
- 1030, 1040 and 1064 nm wavelengths
- High output power up to 150 mW
- ~20 or 50 ps pulse duration
- Single-mode beam quality
- Linear polarization
- Narrow linewidth
- Computer controllable via USB



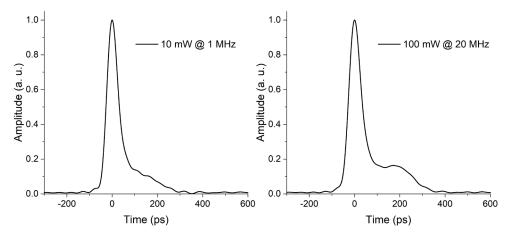


LASER OUTPUT OVERVIEW

Example of the laser emission spectrum @ 20 MHz



Dependence of the spectral width of the laser emission line for 1 (left) and 20 (right) MHz (laser with central wavelength equal to 1040 nm).



Pulse shape example for 1 (left) and 20 (right) MHz (laser with central wavelength equal to 1040 nm).



SPECIFICATIONS

SPECIFICATIONS, DIMENSIONS

OPTICAL OUTPUT					
PARAMETER	UNIT	VALUE	COMMENTS		
Central wavelength	nm	1064±2 or 1040±2 or 1030 ±2	Fixed		
Pulse repetition rate	MHz	1 or 20	Controlled by the user		
Maximum average power @ 1 MHz	mW	≥ 10	Controlled by the user*		
Maximum average power @ 20 MHz	mW	≥ 150	Controlled by the user		
Pulse duration @ 3 dB (FWHM)	ps	60 ± 20 or 20 ± 5	Fixed		
Spectral bandwidth @ 3 dB (FWHM)	pm	≤ 100	Depends on output power*		
Polarization type		Linear			
PER	dB	≥ 15			
Output fiber		PM980	PM1060L on request		
Laser class		3			

^{*} On request, the power can be higher than 10 mW, but in this case the FWHM can be more than 100 pm.

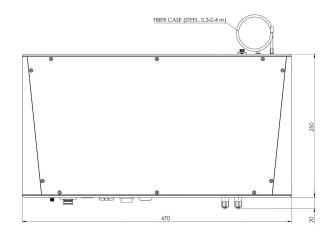
MECHANICAL			
PARAMETER	UNIT	VALUE	COMMENTS
Laser dimensions	mm	470 × 270 × 123	
Laser weight	kg	12	
Cooling			Passive or water

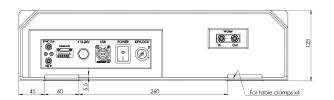
CONTROL		
Parameter	Comments	
External trigger/sync output	1 VDC @ 50 Ω	
External trigger input	3.3 VDC @ 50 Ω	
Control interface	USB	
Other	Key switch function, laser	
Other	emitting indication	

ELECTRICAL POWER SUPPLY				
PARAMETER	UNIT	VALUE	COMMENTS	
Supply voltage	VDC	1224	AC-adapter included	
Power supply current	А	≤ 0.5		
Power consumption	W	≤ 12		

CONNECTORS		
Connector	Туре	
Power"+12 -24 V"	T3359-550 Amphenol (Circular 5-pin female,	
	pin 2 GND, pin 5 VCC	
External trigger output	SMA Jack (73251 - 1350 Molex)	
External trigger input	SMA Jack (73251 - 1350 Molex)	
Interface connector	USB "B"	
"USB"		
Interlock	1829361-1803594 Phoenix contact (pins 1,2	
	– Interlock Output; pins 3,4 – Interlock Input)	

DIMENSIONS







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