

Pulsed mid-infrared laser

SKU:L3800

OVERVIEW

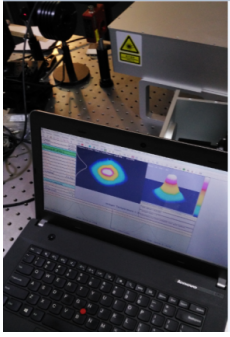
This pulsed mid-infrared laser adopts a unique fundamental frequency thermal compensation resonator design and QPM OPO design, and is assembled and sealed in a class10000 clean room; it ensures the long-term stability of the product in various complex environments.

At present, the mid-infrared laser light source produced by the company has been selected by many scientific research units due to its stable performance, outstanding technical indicators and high cost performance.

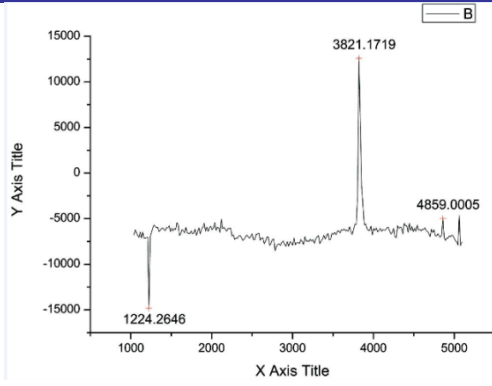


TECHNICAL SPECIFICATIONS

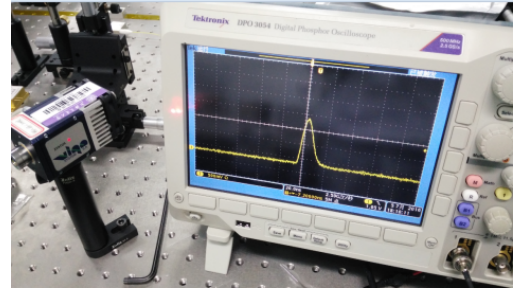
Working mode 1		High repetition rate quasi-continuous mode	
Repeat frequency		10KHz~100KHz	
Average output power		>3w@30kHz@3.8um	
Working mode 2		Low repetition rate and large pulse energy mode	
重复频率		1Hz~100Hz	
Repeat frequency			
单脉冲能量		>3mJ	
Single pulse energy			
Other indicators			
Laser wavelength		3um~5um	
Pulse Width		20ns@30kHz	
Laser average output power stability		Better than 95%	
Beam divergence		<4mrad Beam divergence	
Beam quality		Configurable medium wave laser fiber 0.5m	
		Core diameter	350um/400um, NA0.2
Mid-infrared laser output system volume		≤600mm×300mm×150mm	
Cooling method		Air cooled	
Power supply		220V AC	



Spot distribution CCD test



Spectral line test



Pulse Width Test