

Pulsed Single Emitter

Lumispot Tech OEM Single Emitter Laser Diode Solution

www.lumispot-tech.com



808nm Pulsed Single Emitter

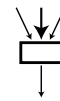
- ① High-efficiency heat conduction and dissipation
- ② Superior thermal stability
- ③ High reliability
- ④ High stability
- ⑤ Compact structure
- ⑥ Easy to install and use



Illumination



Detection



Pumping



OEM

1550nm Pulsed Single Emitter

- ① Eye-safe wavelength
- ② Small size, lightweight
- ③ High electro-optical conversion efficiency
- ④ Adaptable to harsh working conditions



Rangefinding



LiDAR



Telecommunications



OEM

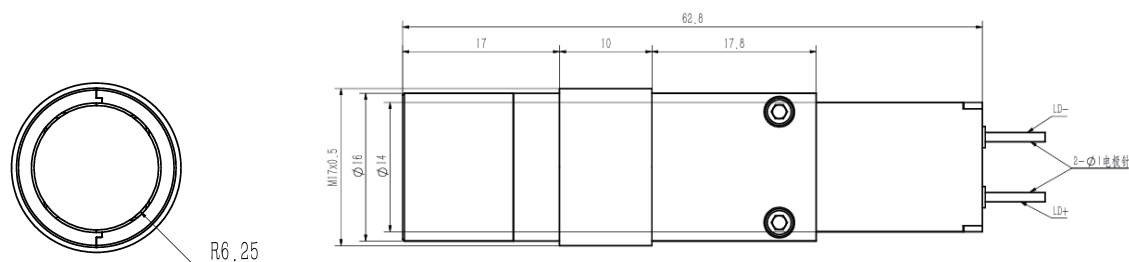
1550nm Pulsed Single Emitter

Technical Datasheet



LMC-1550-PXX-mr	Value		Unit
Wavelength	1550±20		nm
Pulse width (FWHM)	200-500 (Adjustable)		ns
Pulse energy	5	10	uJ
Repetition rate	≤ 5		kHz
Peak power	15	30	W
Energy stability	≤ 5		%
Beam divergence angle	≤ 4 (Adjustable)		mrad
Operating voltage	< 16		V
Operating current	30	50	A
Operating temperature	-40 - 60		°C
Storage temperature	-50 - 70		°C
Lifetime	20000		h
Weight	< 20		g

*Parameters can be customized as demand.



Company Profile

About Lumispot



We're
Lumispot Tech

¥ 78million
Register Capital

6+
Ph.D

80%
Proportion of Talent

150+
Patents



Lumispot Technology Group was established in 2010, located in Wuxi with registered capital of CNY 78.55 million, and production area of about 25,000 square meters and more than 500 employees. Through more than 14 years of efforts and development, Lumispot has become a leader in special laser information technology domain with a strong technical foundation.

Our expertise focusses on laser technology research & development, offering a wide range of products including laser diode, erbium laser, fiber lasers, solid-state lasers, and its system, such as laser rangefinder modules, LiDAR lasers, structured lasers, illumination systems, FOG components, dazzlers, etc. which are widely applied for defense & security, LiDAR system, remote sensing, inertial navigation, technical research, etc.

Our company is rewarded as National High-tech Enterprise and National Innovation enterprise, and more than 150 patent have been obtained.

Contact

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**Illuminate Future
From Laser**

We aim to become the global leader
in laser special information domain.

