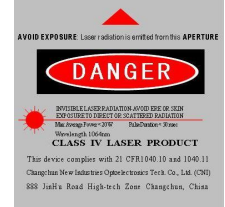


PS-M-1064/5W/20W/40W@1MHz

**MODE-LOCKED PICOSECOND
PULSED LASER AT 1064nm**

Mode-locked picosecond pulsed laser at 1064nm is made features of short pulse duration, high repetition rate and high average power, which is used industrial processing, physics experiment, etc.



SPECIFICATIONS

Central wavelength	1064 ± 1nm		
Average power	5W (5W@1MHz)	20W (20W@1MHz)	40W (40W@1MHz)
Single pulse energy	5μJ(5μJ @1MHz)	20μJ(20μJ @1MHz)	40μJ(40μJ @1MHz)
Rep. rate	100kHz-1MHz	100kHz-1MHz	100kHz-1MHz
Pulse duration	~10ps@1MHz,5W	~10ps@1MHz,20W	~10ps@1MHz,40W
Peak power	500kW@1MHz	2MW@1MHz	4MW@1MHz
Operating mode	Mode-locked		
Ave power stability	<3% (over 4 hours)		
Warm-up time	<10minutes		
Beam divergence, full angle	<1.5mrad		
Beam diameter at the aperture (1/e ²)	~3mm		
M ² factor	<1.3		
Cooled method	Water cooled		
Operating temperature	20~30 °C		
Power supply (220/110VAC)	On request		
Expected lifetime	10000 hours		
Warranty period	1 year		