

EO-1573-Q/1mJ

**HIGH ENERGY DIODE
PUMPED ALL-SOLID-STATE
Q-SWITCHED LASER**

High energy diode pumped all solid state Q-switched laser at 1573nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in Lidar, laser spectroscopy, sensing and metrology, and so on.



SPECIFICATIONS

Wavelength (nm)	1573±2	
Operating mode	Actively	
Single pulse energy (mJ)	1	
Average power (W) ¹	1	
Pulse duration (ns)	≤10	≤20
Rep. rate	1kHz	
Power stability (rms, 4 hours ±3°C)	<5%, <3%	
Beam divergence, full angle (mrad)	~8	
Beam diameter (mm)	~4	
Warm-up time (minutes)	<15	
Cooled method	Water cooled	
Operating temperature (°C)	15-30	
Power supply (VAC)	110/220VAC	
Expected lifetime (hours)	>10000	

1 Fixed output power.