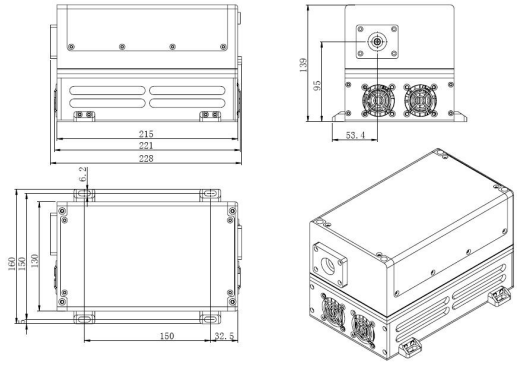
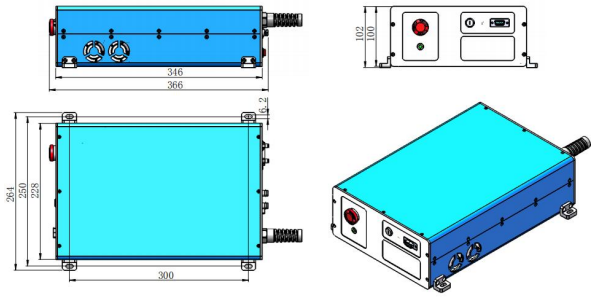
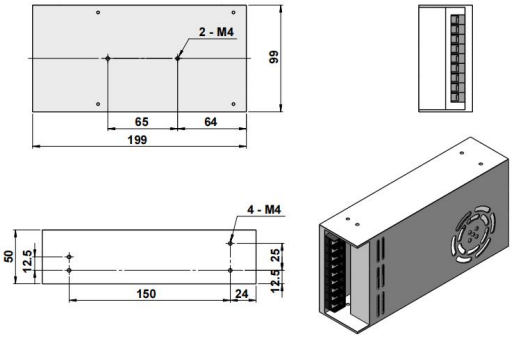
EO-1047-N/1-1000μJ/1-200mW

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

High energy diode pumped all solid state Q-switched laser at 1047nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in topography measurement, marking, ranging, micro-processing, scientific research, and so on.

SPECIFICATIONS

Wavelength (nm)	1047±1nm	
Operating mode	Actively	
Single pulse energy (uJ)[1]	1-1000@100Hz	1-200@1kHz
Average power (mW)	1-100@100Hz	100-200@1kHz
Power stability (rms, 4 hours ±3℃)	<5%	
Pulse duration (ns)	<10ns@100Hz	
Rep. rate	10Hz, 100Hz, 200Hz, 500Hz, 1000Hz optional	
Beam diameter (mm)	~1mm	
Beam divergence, full angle (mrad)	<3mrad	
Cooled method	Air cooled	
Warm-up time (minutes)	<15	
Power supply (24VDC)	PSU-EO-N (24V/13A)	
Operating temperature (℃)	15-30	
Expected lifetime (hours)	>10000h	

LASER HEAD	DRIVER (PSU-EO-N)	POWER SUPPLY (100-240VAC) optional
		
228(L)×160(W)×139(H)mm³, 7kg	**366(L)×264(W)×102 (H)mm³, 6.5kg**	**580(L) ×290(W) ×470(H) mm³, 0.95 kg**

1 The output power and energy varies with different frequency.