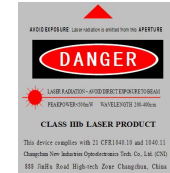




EO-S-xxx-RS series (200-500nm)

## LD PUMPED ALL-SOLID-STATE ACTIVELY LASER

All solid state actively laser has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in laser distance measuring, laser Radar, laser Raman, ICP-MS, LIBS, scientific research and so on.



### SPECIFICATIONS

Wavelength (nm)	213±1	266±1		355±1	
Operating mode	Actively				
Average power (mW) <sup>1</sup>	1-5	1-40	1-50	1-70	1-150
Single pulse energy (μJ) <sup>2</sup>	1-5	1-40	1-10 (10@1kHz; 5@10kHz)	1-70	1-15 (~15@<10kHz; 5@20kHz)
Pulse duration (ns) <sup>3</sup>	~1.5	~1.5	~1.3	~1.3	~1.3@<10kHz; ~1.7@20kHz
Peak power (kW)	0.6-3.3	0.6-26.6	0.7-7.6	0.7-53.8	0.5-11.5
Rep. rate <sup>4</sup>	10Hz-1kHz		1-10kHz	10Hz-1kHz	1-20kHz
Jitter (ns, sdev) (optional)	<0.2 (Ext)				
Power stability (rms, 4 hours ±3°C)	<5%, <3%				
Transverse mode	Near TEM <sub>00</sub>				
M <sup>2</sup>	<4.0	<2.0			
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~1.5				
Beam divergence, full angle (mrad)	<1.5				
Warm-up time (minutes)	<10				
Beam height from base plate (mm)	73				
Operating temperature (°C)	10-35				
Power supply (100-240VAC)	PSU-EOM-DL/PSU-EOM-L (optional) <sup>5</sup>				
Expected lifetime (hours)	>10000				

LASER HEAD (EO-S-213-RS)	LASER HEAD (EO-S-266/355-RS)
<p>265 (L) × 122 (W) × 100 (H) mm<sup>3</sup>, 4.0kg</p>	<p>228 (L) × 122 (W) × 100 (H) mm<sup>3</sup>, 4.0kg</p>
POWER SUPPLY (PSU-EOM-DL) <sup>6</sup>	POWER SUPPLY (PSU-EOM-L) <sup>6</sup>
<p>270 (L) × 214 (W) × 99 (H) mm<sup>3</sup>, 3.02kg</p>	<p>283.2 (L) × 260 (W) × 99 (H) mm<sup>3</sup>, 3.6kg</p>

1 Average power (mW)= Single pulse energy (μJ)\* Rep. rate(kHz)

2 Any energy level can be selected within this range.

3 Pulse width not tunable, the value varies with different frequency and energy.

4 Frequency is adjustable within this range.

5 This power supply is designed for low-jitter lasers.

6 Output energy adjustable 10-100%;