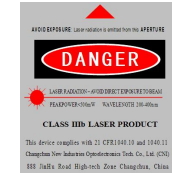




**EO-S-xxx-RS series**

**LD PUMPED ALL-SOLID-STATE ELECTRO-OPTIC Q-SWITCHED LASER**

All solid state electro-optic Q-switched 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**

Part number	EO-S-213-RS	EO-S-266-RS			EO-S-355-RS	
Wavelength (nm)	213±1	266±1			355±1	
Operating mode	Electro-optics Q-switched					
Rep. rate (kHz)	0.01~1	0.01~1	1~10	0.01~1	1~20	
Max average power (mW) <sup>(1)</sup>	1~5	1~40	1~50	1~70	1~150	
Single pulse energy (μJ)	1~5	1~40	1~10 (10@1kHz, 5@10kHz)	1~70	1~15 (~15@<10kHz, 5@20kHz)	
Pulse duration (ns)	~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	
Power Stability (rms, over 4 hours)	<5%					
Transverse mode	Near TEM <sub>00</sub>					
M <sup>2</sup> factor	<2.0					
Beam Diameter at the aperture 1/e <sup>2</sup> (mm)	~1.5					
Warm-up Time (minutes)	<10					
Beam height from base plate (mm)	73					
Operating temperature (°C)	10~35					
Power supply (90-264VAC)	PSU-EOM-DL					
Expected lifetime (hours)	5000			10000		
Warranty	1 year					

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



**SPECIFICATIONS**

Part number	EO-S-532-RS		EO-S-1064-RS		
Wavelength (nm)	532±1		1064±1		
Operating mode	Electro-optics Q-switched				
Rep. rate (kHz)	0.001-1	1-20	0.001-1	1-20	1-100
Max average power (mW) <sup>(1)</sup>	1~150	1~450	1~300	1~1500	1~1500
Single pulse energy (μJ)	1~150 (150@1kHz)	1~50 (50@1kHz, 12@20kHz)	1~300 (300@1kHz)	1~100 (100@1kHz, 75@20kHz)	1~100 (100@1kHz, 60@20kHz, 25@50kHz, 10@100kHz)
Pulse duration (ns)	~1.5	~1.3 (~1.3@1kHz, ~1.9@20kHz)	~1.8	~1.6 (~1.6@1kHz, ~2.0@20kHz)	~1.3 (~1.3@1kHz, ~3@20kHz, ~5@50kHz, ~8@100kHz)
Peak power(kW)	0.6-100	0.7-38	0.5-160	0.5-60	0.125~76.9
Power Stability (rms, over 4 hours)	<5%, <3%, <2%, <1%				
Transverse mode	Near TEM <sub>00</sub>				
M <sup>2</sup> factor	<2.0				
Beam Diameter at the aperture 1/e <sup>2</sup> (mm)	~1.0				
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 (90-264VAC)	PSU-EOM-DL				
Expected lifetime (hours)	10000				
Warranty	1 year				

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

LASER HEAD (EO-S-213-RS)	LASER HEAD	POWER SUPPLY (PSU-EOM-DL)
<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>	<p>270 (L) × 214 (W) × 99 (H) mm<sup>3</sup>, 3.02 kg</p>