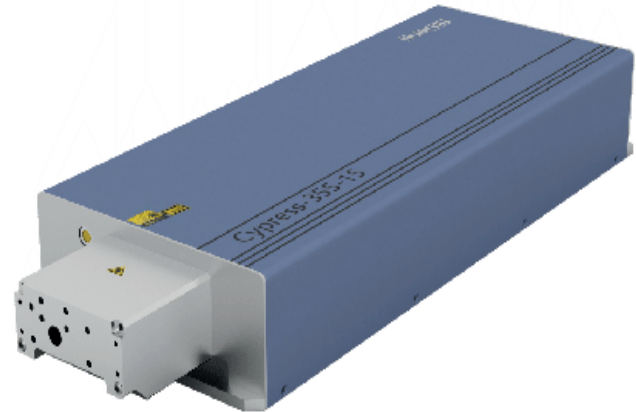


Cypress Series UV Laser

Long-life Nanosecond UV Laser

Features

- » >12,000 hours life-time
- » Electrical point swift Technology
- » $M^2 < 1.2$
- » Volume decrease of 70%
- » Inert-gas inside Cavity
- » Air filtration system



Specification

Mode	Cypress-355-10	Cypress-355-15
Center Wavelength	355 nm	355 nm
Average Power	>10 W@60 kHz	>15 W@50 kHz
Energy	>160 μJ@60 kHz	>300 μJ@50 kHz
Repetition Rate	50 KHz- 200 kHz	50 KHz- 200 kHz
Pulse Width	<12 ns@60 kHz	<15 ns@60 kHz
Spatial Mode	TEM ₀₀ ($M^2 \leq 1.2$)	TEM ₀₀ ($M^2 \leq 1.2$)
Beam Divergence	≤2 mrad	≤1 mrad
Astigmatism	<0.2	<0.2
Beam Circularity	≥90%	≥90%
Polarization Ration	>100:1	>100:1
Polarization Direction	Horizontal	Horizontal
Pulse Energy Stability	≤3% RMS	≤3% RMS
Power Stability	≤3% RMS	≤3% RMS
Beam Diameter, 0,3m	≤0.4-0.6mm	≤0.4-0.6mm
Beam Diameter, 10x	4-6mm	4-6mm
Working Material	Nd:YV ₄ O	Nd:YV ₄ O
Warm-up Time	< 15 min	< 15 min
Operation Temperature	+10 to +35 °C	+10 to 35 °C
Ambient Humidity	0-65% (non-condensing)	0-65% (non-condensing)
Cooling	Water	Water
Power Supply	230V AC, 50/60Hz (600W)	230V AC, 50/60Hz (600W)