Opto Engine LLC

Data sheet

Rev. 2102

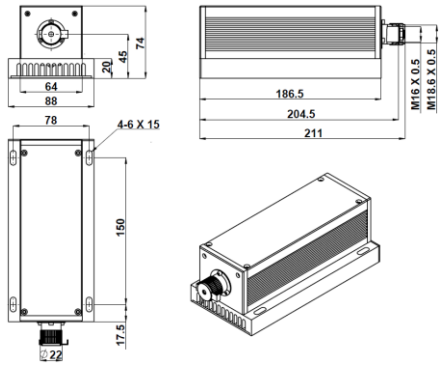
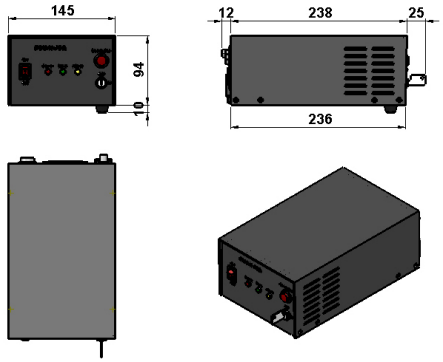
MPL-F-355/0.1~15uJ/1~100mW

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 355 nm UV laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.

SPECIFICATIONS

Central wavelength (nm)		355±1
Output average power (mW)		1~100
Transverse mode		Near TEM_{00}
Operating mode		Frequency conversion of Q-switched pulsed laser
Single pulse energy (μJ)		0.1~15
Pulse duration (ns)		~5
Peak power(W)		20~3000
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 1kHz-4kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	1kHz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between5kHz-10kHz.
Average power (mW)		Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)
Ave power stability (over 4 hours)		<5%, <10%
Beam divergence, full angle (mrad)		<1. 5
Beam diameter at the aperture (mm)		~2. 0
Polarization ratio		>100:1
Pointing stability after warm-up (mrad)		<0. 05
Warm-up time(minutes)		<10
Beam height from base plate (mm)		45
Operating temperature (℃)		10~35
Spectral purity		>99%
Power supply (90-264VAC)		PSU-H-FDA
Expected lifetime (hours)		5000
Warranty period		1 year
Remarks		Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1064/532nm laser.

MPL-F-355	PSU-H-FDA
	
211 (L)×88(W) ×74(H) mm³, 1.6 kg	275(L) ×145(W) ×104(H) mm³, 2.3 kg

Opto Engine LLC **7397 Balboa Dr. Midvale, Utah 84047 USA Tel: (801) 553-2253 Email:** info@OptoEngine.com **Website:** www.OptoEngine.com