

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd,

DATA SHEET

MPL-F-266/0.1~5uJ/1~20mW

SPECIFICATIONS

Output average power (mW)

Wavelength (nm)

		Output average power (mW)		1~20		_
		Transverse mode		Near TEM ₀₀		
LD PUMPED ALL-SOLID-STATE UV LASER		Operating mode		Frequency conversion of Q-switched pulsed laser		
		Single pulse energy (µJ)		0.1~5		
		Pulse duration (ns)		~7		New Contraction
		Peak power(kW)		~0.7		
All solid state 266 nm UV laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in UV curing,			Controllable	Fixed rep. rate, such as 1k, 2k, 3k, 4kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period).		7745
		Rep. rate (kHz)		Different rep. rate in the range of 1kHz-4kHz can be obtained by input an external TTL signal.		
				Undefined rep. rate among 5k-7kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.		
micro-electronics, CD carving, laser		Average power (mW)		Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)		AVOID EXPOSURE: Leser indiacon lo entited form the APERTURE
medical treatment, scientific experiment, etc.		Ave power stability (over 4 hours)		<5%, <10%		DANGER
		Warm-up time (minutes)		<10		DANGER
		M ² factor		<1.5		LACTER A INVESTOR - AVAILABLE HEAD AND AN AVAILABLE HEAD AND AND AND AND AND AND AND AND AND A
		Spectral purity		>99%		See Annye Brann (AM) Bride Damon (Fanor) Weedings: 200 101 mm
		Beam parameters		Elliptical (4:1), Beam spot ~2mm		CLASS IV LASER PRODUCT This device complies with 21 GFR1040.10 and 1690.11 Changelan New Infrastris OpticeFortance field Co. Ltd. (CN)
		D 1 1 d d		>100:1		
		Beam height from base plate (mm)		45		888 JigHn Road High-tech Zone Changchan, China
		Operating temperature ($^{\circ}C$)		10~35		
		Power supply (90-264VAC)		PSU-H-FDA		
		Expected lifetime (hours)		10000		
		Warranty period		1 year		
		Remarks		Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser		
		Remarks		is not so good as that of 1064/532nm laser.		
MxL-F-266 (with 266/532/1064 nm laser included)		MxL-F-266 (With	n 266 nm laser er	nitting only)	PSU-H-FDA	UV prism
209(L)×88(W) ×74(H) mm ³ , 1.6 kg	287(L)×224(W	/) ×100.5(H) mm ³ , 4.2 kg	245.5(L)×88(W) ×74(H) mm ³ , 2.0 kg <i>New!</i>	238 (L) ×146(W) ×102 (H) mm ³ , 2.3 kg	
			223 4-13ed	1965 236.5 245.5		20mm 22mm

266±1 1~20