



High Repetition Pulse Lasing 355nm

PYD Series

(Laser Diode Pumped YVO4 Laser + SHG + THG) Air Cooling



Summary

This is compact and air cooling type high repetition pulse oscillation DPSS laser (355nm). As wavelength conversion element, non linear optical crystal GdYCOB (which has been developed by Osaka University) is applied. Hence high beam quality and stabilized output are achieved. As it is easy to maintain and to handle, it is applied for several applications such as micro processing, precise measurements etc.

Specifications

Spec. Model	Output Power	Power Stabilization	Pulse Width	Repetition Frequency	Beam Diameter	Beam Divergence	Mode (Spatial)	Polarization Ratio
PYD-Q050M-T	50mW	<5%	<20nsec	10kHz~78kHz	φ0.6mm	<2.4mrad	TEM ₀₀	100:1
PYD-Q300M-T	300mW	<5%	<20nsec	10kHz~80kHz	φ0.6mm	<2.4mrad	TEM ₀₀	100:1
PYD-Q500M-T	500mW	<5%	<20nsec	10kHz~80kHz	φ0.6mm	<2.4mrad	TEM ₀₀	100:1
PYD-Q1000M-T	1W	<5%	<20nsec	10kHz~80kHz	φ0.6mm	<2.4mrad	TEM ₀₀	100:1

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