

nanio series*

Industrial DPSS Lasers

NANIO 355-8-V-60

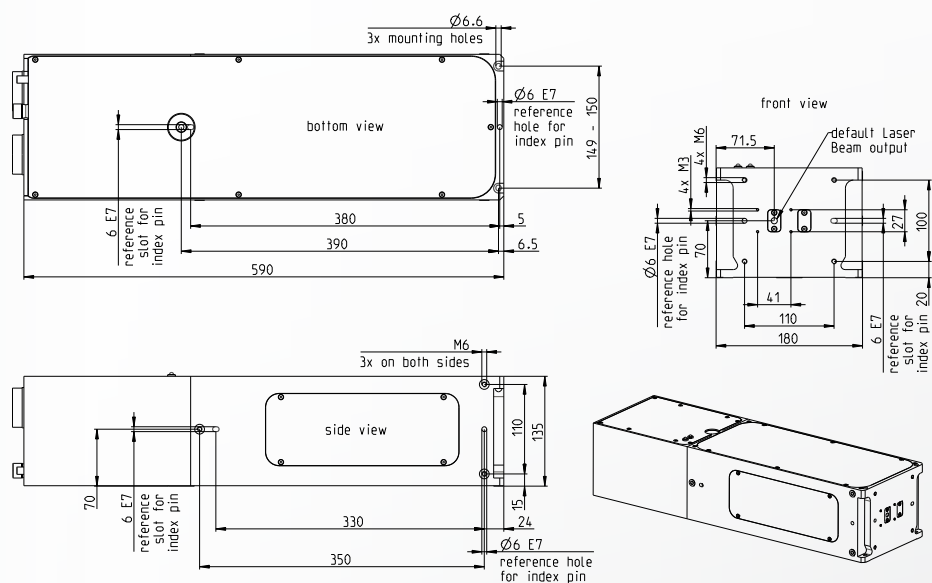


Applications

- * Marking (Silicon, PCB, IC,...)
- * Micromachining
- * Scribing (Diamond, Ceramic, ...)
- * Engraving
- * Resistor Trimming
- * Solar Cell Manufacturing
- * Drilling
- * Scientific

Features

- * Outstanding performance & reliability
- * Modular industrial design
- * Easy integration and service
- * Field proven long life pump diode modules
- * Superior pulse-to-pulse stability
- * Optimized performance for your application



NANIO 355-8-V-60

Specifications

	355-8-V-60
Laser Medium	Nd:YVO ₄
Wavelength	355 nm
Nominal Power	8 W @ 60 kHz
Repetition Rate	Single Shot to 300 kHz
Pulse Width	< 25 ns @ 60 kHz
Pulse Energy	133 µJ @ 60 kHz
Peak Power	> 5.3 kW @ 60 kHz
Pulse-to-Pulse Stability	< 2 % @ 60 kHz
Power Stability (rms, 8h)	< 2 %
Spatial Mode	M ² < 1.4, TEM ₀₀
Nominal Beam Diameter (at waist)	0.24 mm
Nominal Waist Location (from output)	-333 mm
Beam Divergence (full angle)	2.6 mrad
Nominal Beam Diameter (at output)	0.9 mm
Polarization	Vertical, > 100:1
Circularity	> 90 %
Warm-up Time	< 15 min
Operating Voltage	115-230 VAC ± 10 %, 50-60 Hz, single phase
Laser Power Consumption	< 500 W
Cooling	Water-to-Water or Water-to-Air
Ambient Temperature	15-40 °C (59-104 °F), non-condensing
External Control	RS232, USB, TTL and Analog Q-Switch Control
Dimensions Laser Head (L x W x H)	590 x 180 x 135 mm (23.23 x 7.09 x 5.31 in.)
Dimensions Power Supply (L x W x H)	500 x 447 x 88.1 mm (19.69 x 17.6 x 3.47 in.) 19" system, 2 RU high
Weight Laser Head	19 kg (41.9 lbs.)
Weight Power Supply	12 kg (26.5 lbs.)

Available Options

Umbilical length between laser head and power supply 1-20 m. Standard is 3 m. External beam expander box, beam expanders and scan head adapter flanges. Customized power supply front design. Variable attenuator.

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InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. InnoLas Laser GmbH is DIN EN ISO 9001 certified.

