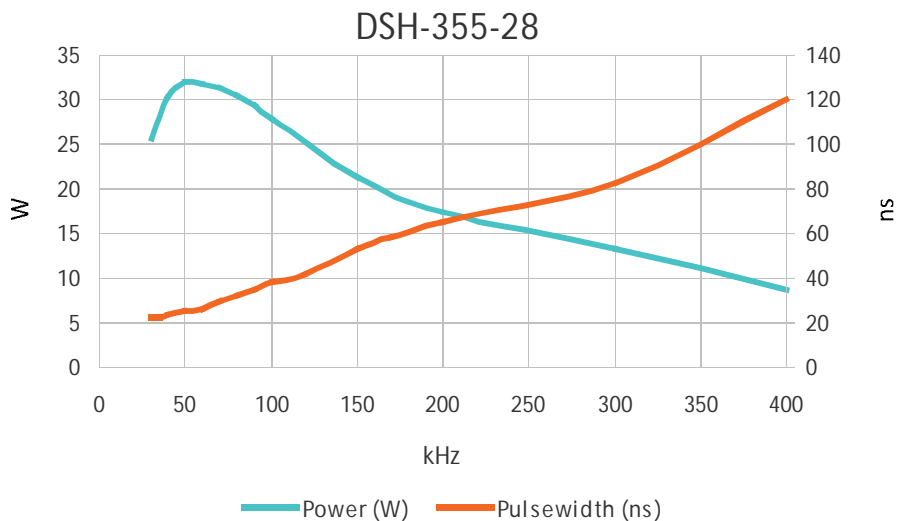


# DSH-355-28

## Nd:YVO<sub>4</sub> Laser

Model	DSH-355-28
Wavelength	355 nm
Average Power @ 50 kHz	28 W
Pulse Width @ 50 kHz	~25 ns (nominal)
Pulse Energy @ 50 kHz	~0.56 mJ
Repetition Rate*	Single Shot to 400 kHz
Pulse to Pulse Energy Stability	<2% rms
Polarization Ratio	Horizontal; >100:1
Beam Diameter (nominal)	~ 0.6 mm
Beam Divergence	<2 mrad
Beam Circularity @ exit	>85%
M <sup>2</sup>	<1.3
Beam Pointing Stability	<25 urad
Long Term Stability (8hr +/- 2C)	<±2% rms
Interface	Ethernet / USB (RS 232) / GUI / External TTL Triggering
Electrical Requirement	100 to 120 V or 200 to 240 V
Line Frequency	50 to 60 Hz
Cooling	Closed Loop Chiller
Dimensions Laser Head (W x Ht x L)	9.5 in x 4.4 in x 26 in
Relative Humidity	Non-condensing, 90% Max
Ambient Temperature	15° to 30°C (59° to 95°F) Operating Range



\* Lower rep rates (down to single shot) achieved by using the Pulse on Demand (POD) feature

† 4.4" includes height of desiccant

**Notes:**

The power supply and control electronics are integrated into the laser head. Control of the laser is through a laptop or PC running Photonics Industries' GUI software using RS232 commands via a USB connector.

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