



# DM20-351

## High Pulse Energy Nd:YLF UV Laser

Model	DM20-351
Wavelength (nm)	351
Pulse Energy (mJ) @ 1 kHz	20 mJ
Average Power (W) @ 1 kHz	20 W
Pulse Width (ns) @ 1 kHz	~120
Repetition Rate	Single Shot to 10 kHz
Pulse to Pulse Instability	<1.2% rms
Polarization Ratio	Horizontal; 100:1
Beam Diameter (nominal)	~ 3 mm
Beam Divergence	10 mrad $\pm$ 15%
Beam Circularity	>85%
M <sup>2</sup>	14-16
Beam Pointing Stability	<25 urad
Long Term Instability	$\pm$ 2%
Interface	RS 232 / GUI / External TTL Triggering
Electrical Requirement	200 to 240 V
Line Frequency	50 to 60 Hz
Dimensions	Laser Head 9.5 in x 4.6 in x 26 in
(W x H x L)	Controller 19 in x 13.25 in x 5.25 in (3U)
Relative Humidity	Non-condensing, 90% Max
Umbilical Length	3 meter (10 feet)
Ambient Temperature	15° to 30°C (59° to 95°F) Operating Range

† 4.6" includes height of desiccant

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7,346,092; 7,082,149; 7,079,557; 6,999,483; 6,980,574; 6,961,355; 6,842,293; 6,762,405; 6,690,692; 6,587,487; 6,584,487; 6,366,596;  
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