Photonics Industries International, Inc.

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 ± 15%
Beam Circularity		>85%
M^2		14-16
Beam Pointing Stability		<25 urad
Long Term Instability		± 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

US Main Office
1800 Ocean Ave, Ronkonkoma, NY, 11779
Phone: 631-218-2240
Fax: 631-218-2275
E-Mail: info@photonix.com
Website: www.Photonix.com

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