



ELFORLIGHT

UVFQ Ultraviolet Q-switched DPSS Laser System



Model Name	UVFQ-100-1-Y-355
Wavelength	355nm
Pulse Energy	100 microJ at 1 kHz
Spatial Mode	TEM ₀₀ , M ² < 1.6
Repetition rate	Up to 10 kHz
Minimum Pulse Width	<5 ns
Jitter	<+/-1ns (typ +/-0.5ns) with respect to external trigger input
Beam Diameter at output aperture	1mm standard (other collimation options available)
Polarization	100:1 (Vertical or horizontal, please specify)
Beam Divergence	<1mRad at 1 mm diameter
Pulse to pulse stability	Better than 8% rms
Power stability	Better than 2%rms over 1 hour
Laser Head Size (mm ³)	240x210x100
Power supply	3U high 19" rack
Control	Front panel / RS232
Cooling	Air cooled
Power requirement	100 - 240 VAC, 50 / 60 Hz Max 600W
Features	Remote fibre pump for improved thermal handling and diode replacement in the field.
Applications	MALDI-TOF, Micro-dissection, micro-machining

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