

Laser Solutions For Fine Machining Applications



+ Features

- High peak power and short pulses for reduced thermal damage
- PC controlled adjustable position of thg crystal
- Compact modular design
- Air cooled operation

+ Applications

- Fine material processing
- Solar cell scribing
- Wafer dicing
- Wire stripping
- LED scribing
- Glass and plastic marking



TYL UV

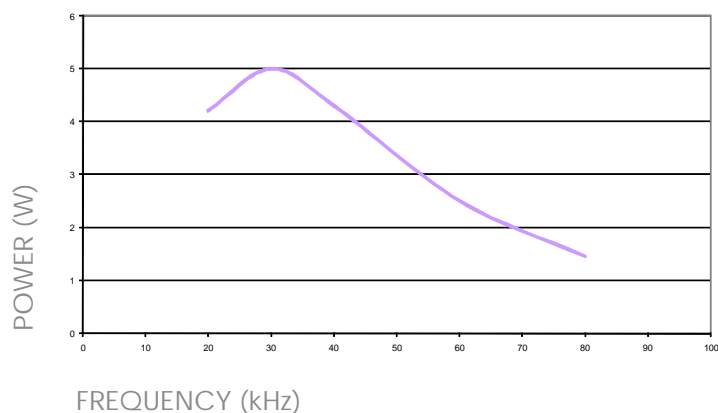
Type		Q-switched DPSSL
Wavelength	[nm]	355
Nominal Power	[W]	4 @ 30KHz
Beam quality (M ²)		<1,5 (typ. 1,3)
Polarization		Linear 100:1
Frequency range	[KHz]	20, 100
Pulse energy	[µm]	200 @ 20KHz
Pulse width	[ns]	9 @ 20KHz
Beam diameter	[mm]	5*
Power supply	[Vac ; Hz]	90, 240 ; 50/60
Power consumption	[W]	<1000
Cooling system		Air
Communications		RS232 **
Compliance		2004/108/CE 2006/95/CE EN 60950-1 EN 60825-1 EN12626

TYL UV is a 355nm Q-switched DPSS laser source based on extracavity third harmonic generation. Designed with a modular concept, extremely compact and air cooled. PC controlled adjustable position of thg crystal avoids photoaging effect.

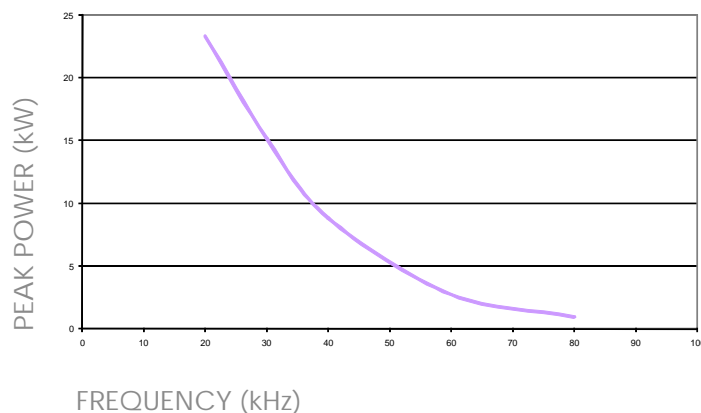
* Different Beam Diameter available upon request ** RS485 Ethernet available upon request



➤ Average Power



➤ Peak Power



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Specifications are subject to variations and updates without notice. TYL UV is a Class 4 laser source. This OEM laser component is for sale solely to qualified manufacturers, who shall provide interlocks, indicators and other appropriate safety features, in full compliance with 21 CFR 1040 and/or other applicable national and local regulations.