**ams**TECHNOLOGIES
where technologies meet solutions

## Laser Solutions
## For Demanding Applications

GAP LASER

Laser Nd: YV04 Class IV

## ● Features

High power in an extended frequency range
Suitable for low frequency and high energy applications
High beam quality
Excellent beam roundness
Optimal stability

## ● Applications

Stent cutting
Micromarking and drilling on silicon wafer
Solar cells dicing
Depaneling, singulation
High reflective materials cutting and engraving
Kapton cutting

## GAP
Lasers & Photonics

# TYL Green

## 532nm Laser Series

### TYL Green

| | | |
|---|---|---|
| Type | | Q-switched DPSSL |
| Wavelength | [nm] | 532 |
| Nominal power | [W] | 10 @ 30KHz |
| Beam quality (M$^2$) | | <1,5 (typ. 1,3) |
| Polarization | | Linear 100:1 |
| Frequency range | [KHz] | 10, 100 |
| Pulse energy | [μm] | 850 @ 10KHz |
| Pulse width | [ns] | 20 @ 10KHz |
| 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 |

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

TYL green is a 532nm laser source based on intracavity second harmonic generation, which takes advantage of TYL IR laser series features, excellent beam characteristics, mechanical robustness and design, remote diagnosis.
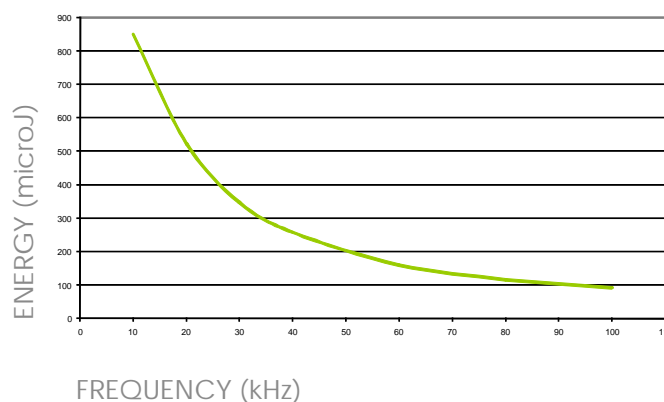


## ⊕ Average Power



POWER (W)

FREQUENCY (kHz)

## ⊕ Energy



ENERGY (microJ)

FREQUENCY (kHz)
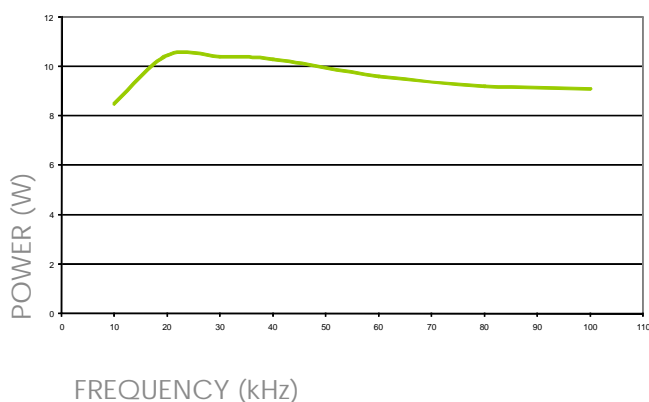
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**LASER RADIATION**
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT