



Infrared Laser Series - DPSS Lasers

TYL IR

Laser Solutions
for Industrial Application



Features

- High power in an extended frequency range
- Suitable for low frequency and high energy applications
- Excellent beam quality
- Remote diagnosis
- Air cooled

Applications

- Marking and engraving
- Safety ID marking
- Material processing
- Micromachining
- Trimming
- Soldering

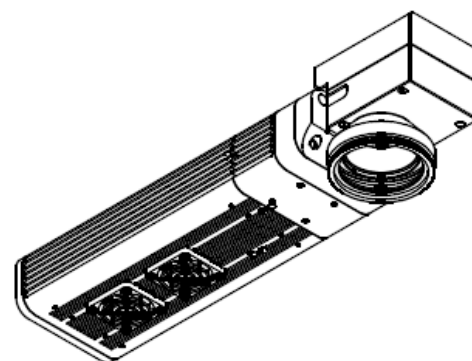
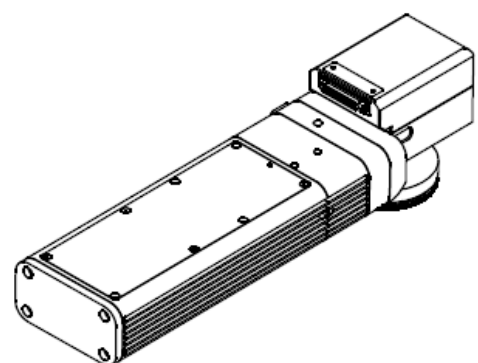
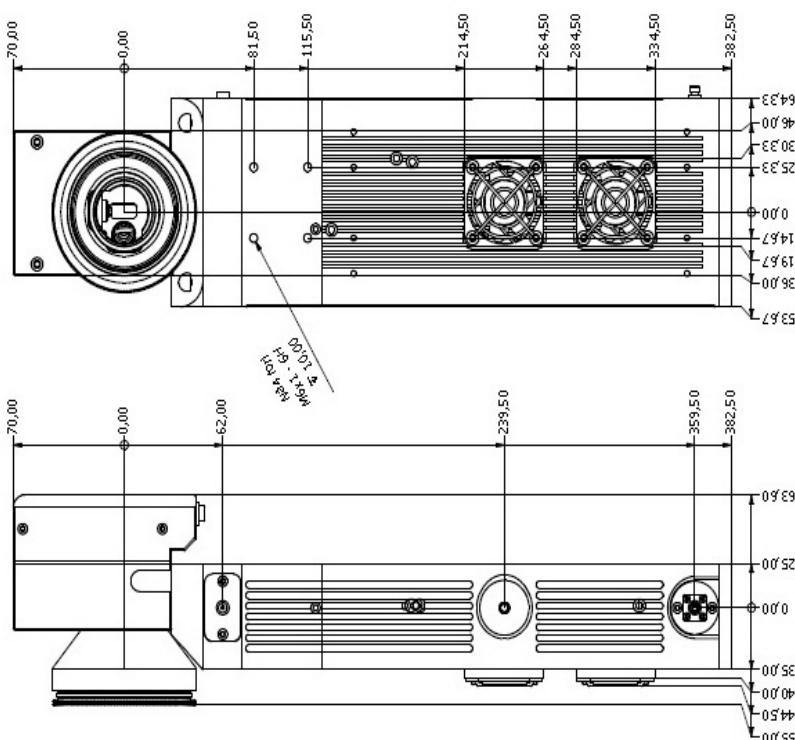


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		TYL12	TYL20
Operational mode		Q-switched DPSSL	Q-switched DPSSL
Wavelength	[nm]	1064	1064
Nominal Power	[W]	12 CW	20 CW
Beam quality	[M ²]	<1.5	<1.5
Polarization		Linear 100:1	Linear 100:1
Frequency range	[kHz]	5 - 200 in Q-Switch	10 - 200 in Q-Switch
Pulse energy	[μ J]	>800 @ 5kHz	>1000 @ 10kHz
Pulse width	[ns]	>16 @ 5kHz	>30 @ 10kHz
Beam diameter (*)	[mm]	3,5	5
Power Supply	[Vac; Hz]	90-240 ; 50/60	90-240 ; 50/60
Power consumption	[W]	<800	<1000
Cooling system		Air	Air
Communication (**)		RS232	RS232
Compliance		2004/108/CE; 2006/95/CE; EN60950-1; EN 60825-1; EN 12626	

*Different Beam Diameter available upon request **Ethernet or Profibus available upon request



Specifications are subject to variations and updates without notice.
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.



TYL IR Layout



GAP Laser Systems s.r.l.
A Certified and ISO 9001:2008 Company

GAP LASERSYSTEMS
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