



Infrared Laser Series - DPSS Lasers

TYL IR 12W

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



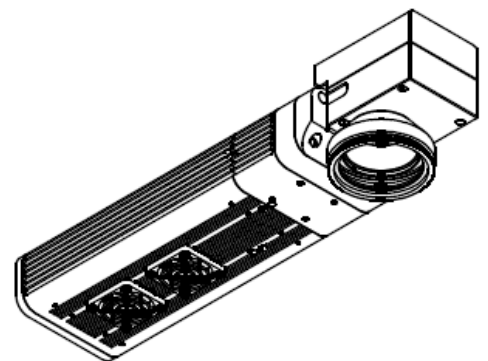
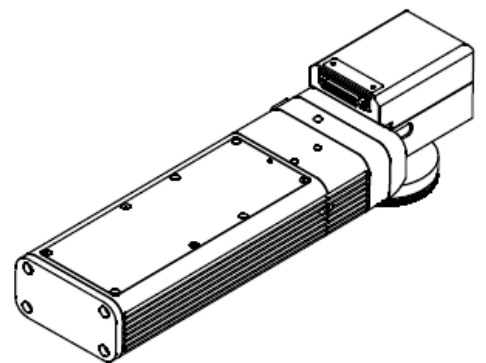
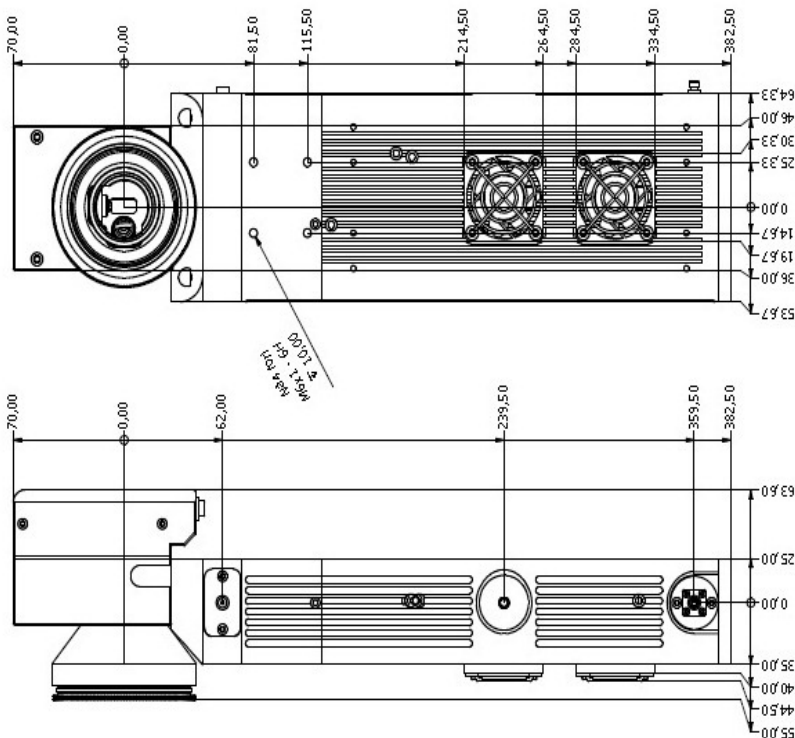
Infrared Laser Series - DPSS Lasers

TYL IR 12W

TYL12

Operational mode		Q-switched DPSSL
Wavelength	[nm]	1064
Nominal Power	[W]	12 CW @ BEX output
Beam quality	[M ²]	<1.5
Polarization		Linear 100:1
Frequency range	[kHz]	5 - 200 in Q-Switch
Pulse energy	[μ J]	>800 @ 5kHz
Pulse width	[ns]	>16 @ 5kHz
Beam diameter (*)	[mm]	3,5
Power Supply	[Vac; Hz]	90-240 ; 50/60
Power consumption	[W]	<800
Cooling system		Air
Communication (**)		RS232
Focal lens		100mm. (70x70mm.) - 160mm. (110x110mm.) - 254mm. (180x180mm.)

*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 12W Layout



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

GAP LASERSYSTEMS
custom industrial solutions

Via IV Novembre 116 - 21058 Solbiate Olona (VA) - ITALY
Tel: +39 0331 072637 - Fax: +39 0331 072695
www.gaplaser.com - info@gaplaser.com