

Technical Information

Diode Pumped Green Solid State Laser

DPGL[®] 300 MC

Features

- Ultra Compact Model
- Modulation up to 15 kHz
- Air Cooling
- Excellent Beam Properties



Applications

Diode Pumped Solid State Lasers are playing a key role in the future of the constantly growing laser industry. Being smaller, more efficient and more inexpensive than gas lasers, the compact DPGL[®] design offers advantages in professional applications like e.g. in laser displays, medical diagnostic tools, marking systems or measurement devices.

Specification

Wavelength	532 nm
Optical power	CW, >300mW, typ. 350mW
Beam mode	90% TEM ₀₀
Beam diameter (1/e ²)	< 2.0 mm
Beam divergence (1/e ²)	< 1.2 mrad
Modulation	< 15 KHz
Polarisation	Linear 50:1
Current	5VDC / 2.5°
Optimal operation temperature	+15 °C to + 35 °C
Warm up time	ca. 10 min
Cooling type	Active TEC
Size Laser-head (l x w x h)	150 mm x 77 mm x 60 mm
Operating hours (at 8 h / day)	Typ. > 5000 h