

Powell Lenses Line Lasers

Detailed Specification

Output Wavelength	400~1200nm
Output Power	Maximum up to 5000mW, upon to the wavelength
Beam Mode	Line output
Operating Mode	CW
Line Width	OEM
Fan Angle	7° , 10° , 20° , 30° , 45° , 60° , 70° , 75° , 90°
Line Uniformity	<45%, <30%, <25%, <10%
Power Stability	5% (rms, over 2 hours, T= 25°C)
Modulation	Analog (10KHz) or TTL modulation (10KHz, 30KHz optional)

OEM Service and Design

[1] Ultra-Stability (<1% rms, over 24 hours, 25°C) is available upon request.

[2] Removable lenses mount is available upon request

[3] 30KHz TTL modulation (0=laser off, 1=laser on) or 10KHz Analog modulation (0~5VDC) is available upon request.

[4] TTL+ (0=laser off, 1=laser on), TTL-(0=laser on, 1=laser off) is available upon request

[5] OEM collimated output beam is available upon request

Reliability

Warm Up Time	<10minutes
Operating Temperature, Case	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Expected Operation Lifetime	10000 hours
Warranty	12 months

Note: The Laser could be operated without extra heat sink. Do not restrict air circulation around the device. Also do not place the laser in a thermal insulating material, such as foam plastic. A metal heat is always recommended and it can be used to maximize the performance and life time of the laser. Heat can have an adverse effect on laser diodes, including decreased output power.

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Leading-Tech Laser has been the professional manufacturers and original suppliers of DPSS Lasers with top quality, unbeatable prices, prompt delivery and the best technical support and services for the customers all over the world.