

PML-6690-4DV 6690 Series Line Laser



Features

- Typical wavelength 658nm
- Stabilized optical power 90mW
- Single supply voltage DC 7~24V
- Line beam generation
- Precisely adjustable line thickness
- 3 elements optic structure
- Laser Intensity Control
- Power Board included

Introduction

The 6690 series laser diode combines laser diode technology, 3 elements lens optics, and sophisticated electronics within slim and light aluminum anodized housing. Specially, 3 lens structures compensate line beam's curve & unbalance and dot beam's accurate focused point. This series of modules provides a high-brightness elliptical laser line, and have various wavelengths and optical output power.

Specification

Optical

Optical power(mW)	90(Tc=25C)
Wavelength(nm)	658 ±4
Focus Beam Width(mm)	< 0.1 (at 300mm)
Collimated Beam Width(mm)	<3 (at 10m)
Fan Angle (°)	15,30,45,60,90, 120
Line Pattern	Accurate Straight
Beam Quality	TEM00
Beam intensity Pattern	Gaussian

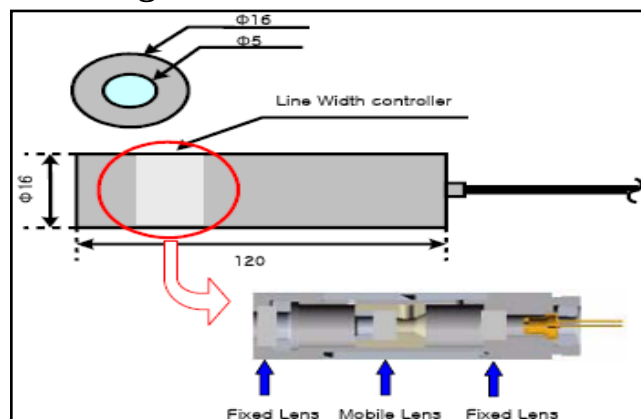
Electrical

Operating voltage(DC V)	7~24 ±5%
Operating current(mA)	130 (Max)
Drive circuit	APC
Operating Temp.(°C)	-10 ~ +50
Storage Temp.(°C)	-40 ~ +85

Mechanical

Weight(g)	40 ±0.5
Dimensions(mm)	16ΦX 120
Operating lifetime(h)	30,000~50,000 (@RT)
Housing material	Aluminum

Drawings



Range of fan angle

Symbol	Angle	Line length [mm] (distance 1m)	
		Perpendicular	Inclined at 45°
4D	45°	830	2000
3D	30°	580	1550

Ordering Information

Option Information

Fan Angle 30°	-3D
Fan Angle 45°	-4D
Laser Intensity Control	-V
Power & Signal Cable 5m	-5M
Power & Signal Cable 10m	-10M

PML-6690-[D] -[M] EX) PML-6690-6D-2M

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