

Product Division



LDM

Laser Diode Modules

Product

MC5301T-L60

Description

Focusable Green Laser Module

532nm, <1mW, D housing Ø 14mm, fan angle 60°, 3.2Vdc, Focusable, Wide T. range

Main Features

- Wide Temperature Range (-10°C to 50°C)
- Focusable LDM for VIS
- Compact design
- Low bore-sight
- Low operation current
- Excellent beam performance

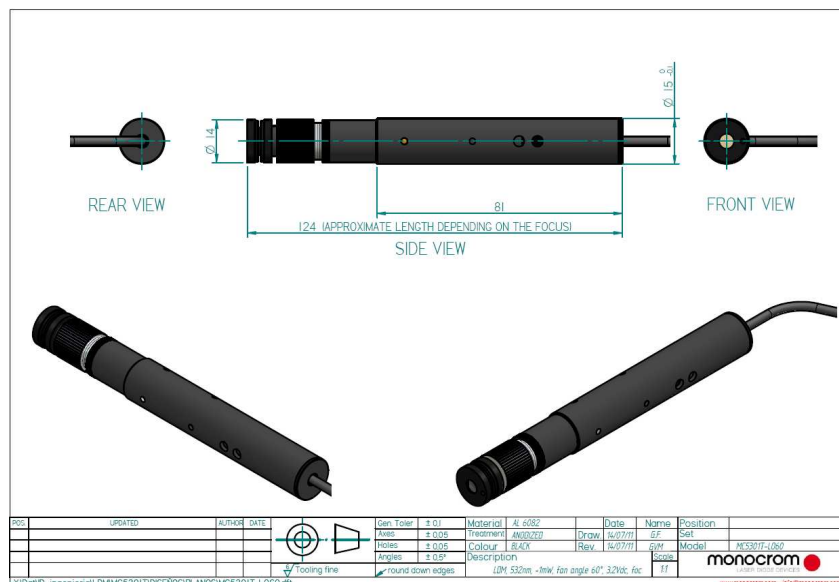
Some Applications

- Automatics & Robotics
- Guidance
- Bio-medics
- Lighting
- Imaging

Picture



Outline



FOCUSABLE LASER MODULES

T SERIES

ORDERING LDM STANDARD PART NUMBER CODE		MC-WW PP H-A LLL
MC: Standard basic LDM	WW: 53, 532 nm	PP: 01, 1mW
H: T, T Housing	A: N.A.	LLL: L60, L60 lens

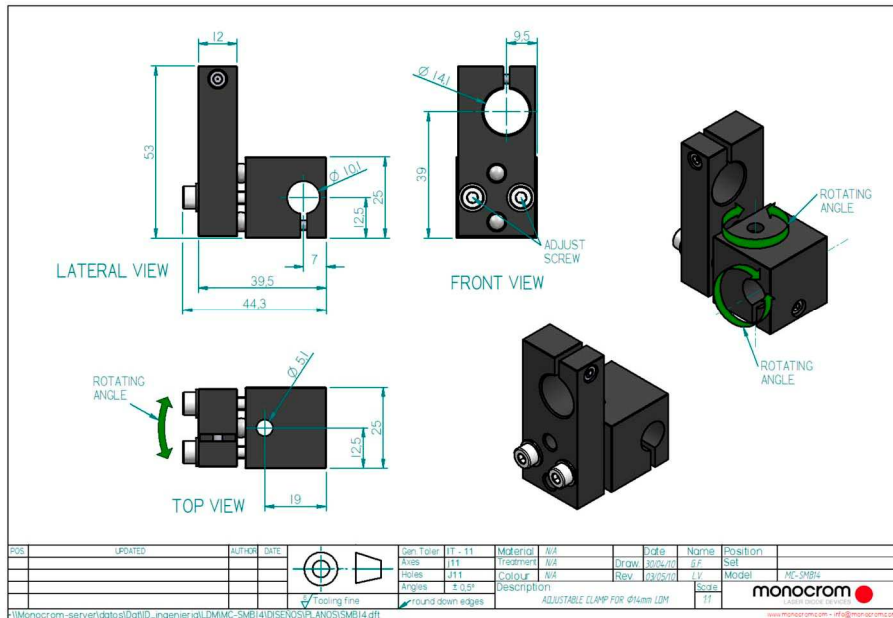
GENERAL SPECIFICATIONS FOR STANDARD LASER MODULES	
Model	5301
Wavelength (20°C) [nm]	532
Po.max [mW] of laser before lenses	3
Op. current [mA] typical (at max.Po@25°C)	200
Operating temperature [°C]	-10 to 50
Storage temperature [°C]	-20 to 60
Environmental Humidity (RH)	5 to 85%
Beam mode transverse	TEM00
Beam Mode Quality (M2)	<1.4
Bore sight	< 10 mrd
Output power stability at constant temperature	< ± 5 % RMS
Power stability over temp range	< ±30%
Power Control	APC
Warm up (up to 75% full power)	< 2 secs.
Expected lifetime	<5.000 Hours
Op. voltage for cw	3±10% Vdc
Wires	Standard Jack connector
Laser product class	According with the radiant flux and EN-60825 classification, duly identified by labels.
Housing	T type : Black anodizing Al Ø14(+0/-0,1) x length 80 (±0,5)mm

Conditions @ 25°C while not specified. Specifications could change depending on Laser used.

OPTICS OPTIONS (to add to the LDM type selected –LLL)	
Lens	L60
Type	Glass cylindrical line tracing
Relative efficiency [%] (collimated), typical	30
Clear aperture [mm]	4
Divergence [mrd], typical	<0,01
Fan angle [°]	60
Focusable range [mm], typ	70 to infinite
Min. focusable diameter @ focus [µm], typ	200
Main feature	No line bowing

ACCESSORIES: (optionally)

MC-SMB15



(Example of MC-SMB14)

PSLDM5-3M

F.A. Converter
220V AC to 3VDC / 1,2 A
Established Europlug



Ordering Information:



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Email orders to: sales@xsoptix.com
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