

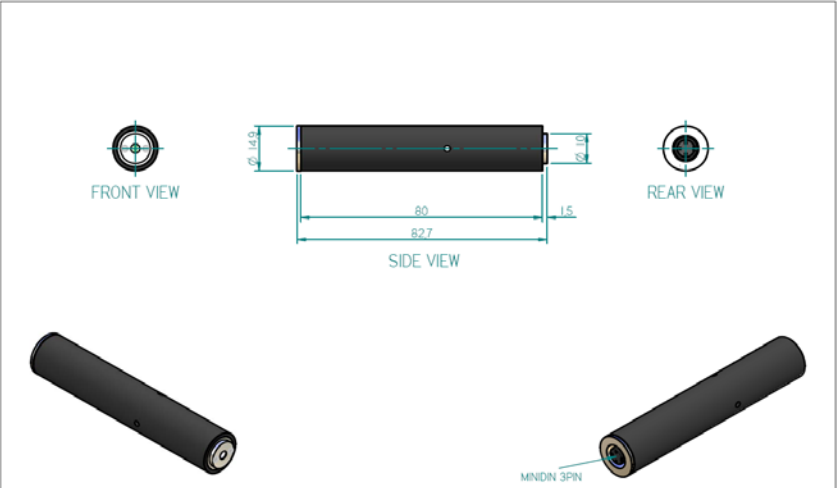


Updated by ALV on 14 July 2011 / Checked by




Product Division	 LDM Laser Diode Modules																																																												
Product	MC5301D																																																												
Description	LDM 532nm <1mW, D housing Ø 15mm, collimated, Class 2, Wide T. range																																																												
Main Features	<ul style="list-style-type: none"> • Small size • Wide Temperature Range (-10°C to 50°C) • Low bore-sight • Housing electrically isolated • Low operation current • High quality lens, and excellent optical performance 																																																												
Some Applications	<ul style="list-style-type: none"> • Automatics & Robotics • Guidance • Bio-medics • Aesthetics • Lighting • Imaging 																																																												
Picture																																																													
Outline	 <table border="1" data-bbox="512 2063 1353 2134"> <thead> <tr> <th>REV</th> <th>UPDATED</th> <th>AUTHOR</th> <th>DATE</th> <th>Gen. Toler.</th> <th>± 0.1</th> <th>Material</th> <th>Al</th> <th>Color</th> <th>Black</th> <th>Norma</th> <th>Position</th> <th>Self</th> <th>Model</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>± 0.05</td> <td></td> <td>Treatment</td> <td>ANODIZED</td> <td>Finish</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>± 0.05</td> <td></td> <td>Color</td> <td>BLACK</td> <td>Finish</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>± 0.05</td> <td></td> <td>Description</td> <td>LDM 532nm -low @ 0 housing Ø 15mm collimated Class 2, wide T-range</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>pril 2011</p>	REV	UPDATED	AUTHOR	DATE	Gen. Toler.	± 0.1	Material	Al	Color	Black	Norma	Position	Self	Model	REVISION	1				± 0.05		Treatment	ANODIZED	Finish											± 0.05		Color	BLACK	Finish											± 0.05		Description	LDM 532nm -low @ 0 housing Ø 15mm collimated Class 2, wide T-range							
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COLLIMATED LASER DIODE MODULE

GENERAL SPECIFICATIONS FOR MC5301D

Model	MC5301D
Wavelength (20°C) [nm]	532
Max.Output power Po[mW]	< 1
Op. current typical (mA for max.Po@25°C)	< 200
Operating Voltage (V)	3 ±10% VDC
Operating temperature [°C]	-10 to 50
Storage temperature [°C]	-20 to 60
Environmental Humidity (RH)	5 to 85%
Clear aperture	3 mm
Beam size at output	1 mm
Divergence	< 1.7 mrd
Beam mode transverse	TEM00
Beam Mode Quality (M ²)	<1.4
Beam Roundness	> 70%
Bore sight	< 15 mrd
Output power stability at constant temperature	< ± 5 % RMS
Power stability over temp range	< ±30%
Power Control	APC
Beam alignment tolerance position	< 0,3 mm
Beam alignment tolerance angle (half angle)	< 15 mrd
Warm up (up to 75% full power)	< 2 secs.
Expected lifetime	<5.000 Hours
Connector	3 pins BINDER connector pin 1 to positive / pin 2 to GND
Laser product class	2M, According with radiant flux and EN-60825, duly identified by labels.
Housing	Black anodized Al Ø15(+0/-0.05)x80mm

Conditions @ 25°C while not specified.

ACCESSORIES: (optionally)	
MC-SMB15	
	
PSLDM5-3M	
<p>F.A. Converter 220V AC to 3VDC / 1,2 A Established Europlug</p> 	

Ordering Information:



800 Village Walk #316
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Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282