

Updated on 12 Jan. 11 by GVM / Checked

Product Division	 Laser Diode Modules
Product	MC6320CPWR-004S C- Series with Power regulation
Description	LDM 635nm. 8±2mW. 4μ FO FC-PC, 5V_{DC}, with Power-Regulation
Main Features	<ul style="list-style-type: none">● SM fibre coupled for VIS & NIR.● Collimator ended available.● Circular beam after SM fibre.● Compact design.● High quality lens and excellent beam performance.● Wide range of wavelengths available.
Some Applications	<ul style="list-style-type: none">● Automatics & Robotics.● Metrology.● Guidance.● Bio-medics.● Lighting.& Imaging.● Fibre check.
Picture	

MODULATABLE-FIBER COUPLED LASER DIODE MODULE

ORDERING LDM STANDARD PART NUMBER CODE		MC-WW PP H-A LLL
MC: Standard basic LDM	WW: 63, Wavelength 639nm	PP: 35, Optical power LD 20mW
H: Housing CPWR	-Fxxx: 004S Patchcord 4S	-Txxxx: Focusable optic

GENERAL SPECIFICATIONS FOR MC6305MC LASER MODULES

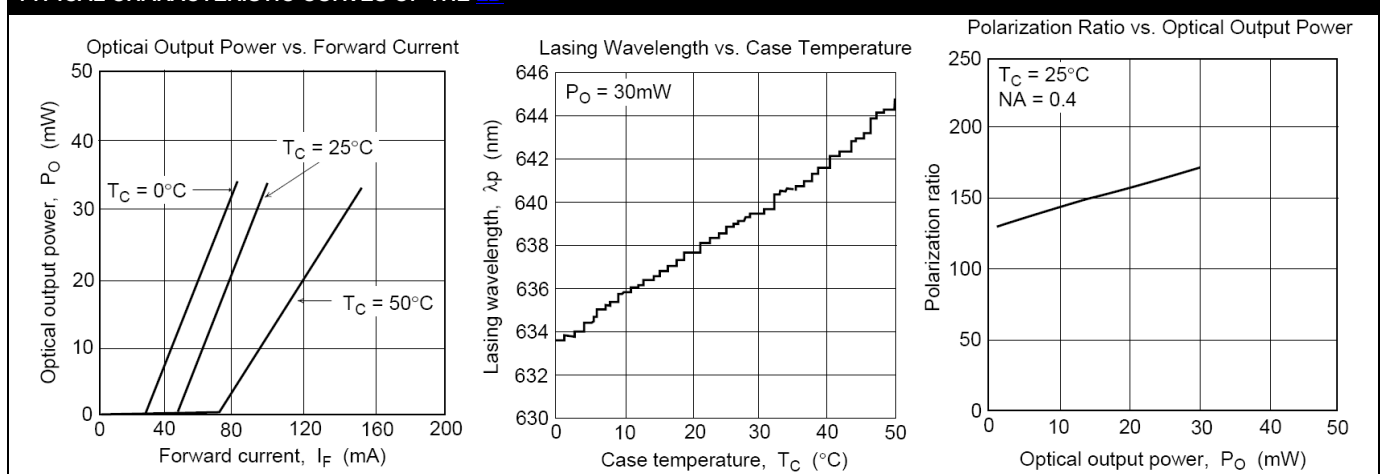
Model:	MC6320CPWR-004S
Wavelength [nm]	639±3
Po.max [mW] (1)	18
Op. current [mA]	100
Op. temperature [°C]	-10 to 50
Storage temperature [°C]	-40 to 85
Polarisation ratio	>50:1
Output power stability	<0.5%RMS
Reverse voltage protection circuit	Built in
Op. voltage for CW operation	5±0,5 Vdc with external Power Regulator along the cable
Expected lifetime	>10.000 Hours
Wires and connectos	See outline above for details
Laser product class	According with the radiant flux and EN-60825 classification, duly identified by labels.
Housing	C type : Diam.14 x 45mm length / Nickel and Brass / FC port

Conditions @ 25°C while not specified. See below typical characteristics curves of the LD mounted.

FIBER PATCH-CORDS Types (to add at module p.n.)

	-004S
Polarization maintaining	No
Coupling efficiency (% of Po), typical	30-50%
Connector repeatability, typical	85%
Mode field diameter [m]	4.3
Numerical aperture	0,12
Cladding [m]	125±2
Jacket [m] / Protec slip [mm]	250 / 3
Min. bend diameter [mm]	25
Connector type	FC-PC
Length, typical	2 m

TYPICAL CHARACTERISTIC CURVES OF THE LD



Ordering Information:



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Email orders to: sales@xsoptix.com
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