

### TECHNICAL SPECIFICATIONS

<b>type</b>	ML2-EYFA-CW-SLM-P-TKS-1550.12	<b>Termination</b>	FC/APC
<b>S/N</b>	650 1 13 47 001	<b>Date</b>	04/02/2014

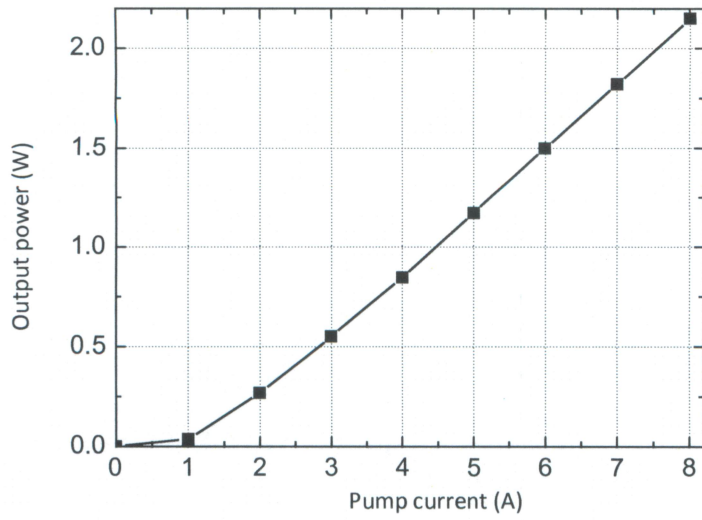
OPTICAL	Specification, status				Remarks
	Min.	Typ.	Max.	Test result	
Mode of operation (MofO)	CW			Comply	
Nominal output power (W)	-	2	-	2.1	@ACC= 8A with 5mW input power
Operating wavelength (nm)	-	1550	-	Comply	
Input power (IP) (mW)	5	-	50	comply	Chc 1 = 390 @ pin = 5 mW
Instantaneous output signal linewidth (kHz)	10	-	-	By design	By design
State of polarization	Linear				
Polarization extinction ratio (PER) (dB)	17	-	-	25	
Input connector (IC)	FC / APC			Comply	
Input Fiber length (FL) (cm)	-	100	-	100	
Optical termination (OT)	FC / APC			Comply	
Output Fiber length (FL) (cm)	-	50	-	100	
	Installed			Comply	
Output power instabilities (RMS,1 hrs, 25°C) (%)	-	-	2	0.95	In ACC mode
Output power tunability (%)	25-100			Comply	

ELECTRICAL	Specification, status				Remarks
Supply voltage. (VAC)	88	-	264	Comply	
Power consumption (W)	-	-	250	Comply	

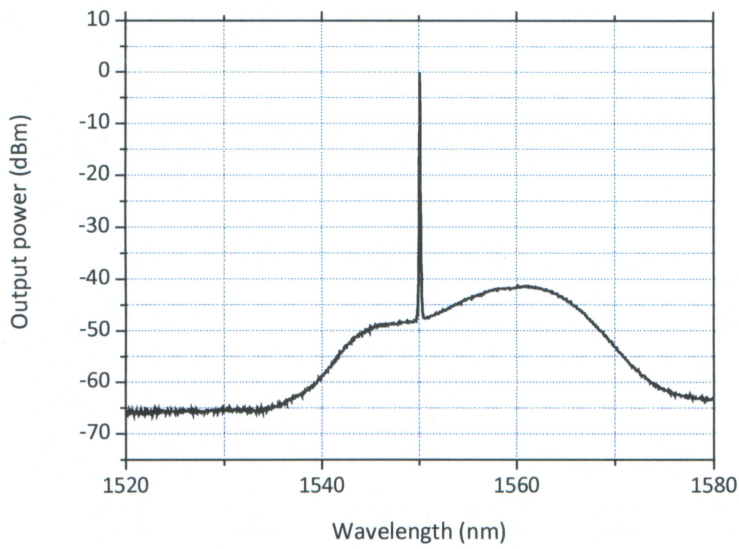
ENVIRONMENTAL	Value	Remarks
Operating case temperature. (°C)	+15 - +35	
Storage (°C)	0 - +50	Non condensing

DIMENSIONS	Value	Remarks
Length x Width x Height (mm)	451 x 448 x 132	

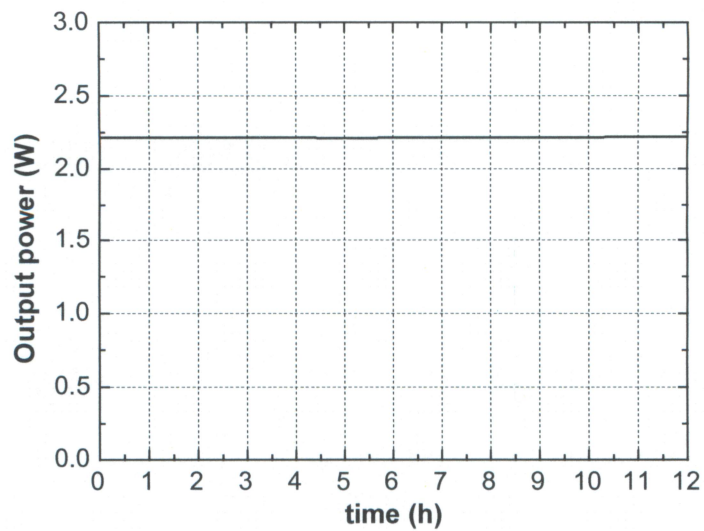
COMMUNICATION PROTOCOL	Name	Status	Remarks
Interface	RS232	Implemented	Via USB connector on front panel
	IHM	Front Panel	



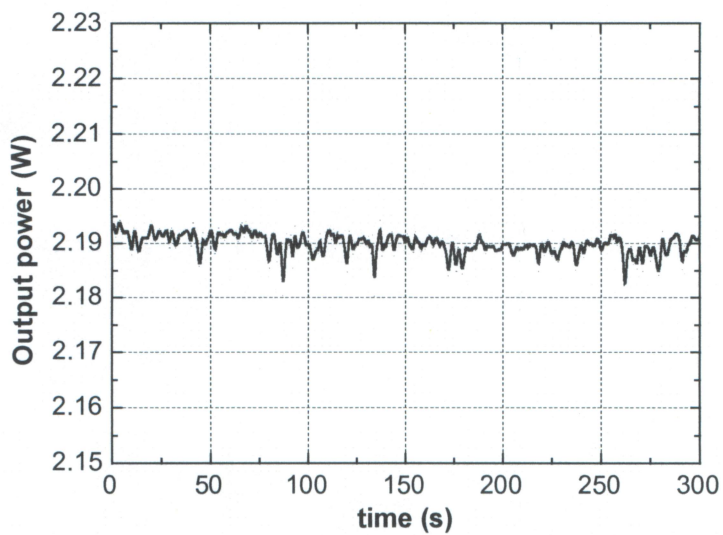
**Figure 1 :** Output power versus pump current with 5mW input power @ 1550 nm NKT source



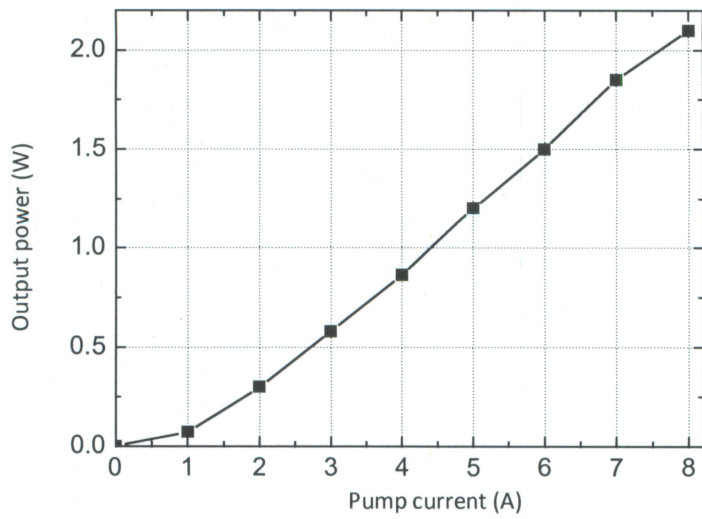
**Figure 2 :** Optical spectrum (Res:0.07nm) at nominal output power with 5mW input power @ 1550 nm NKT source



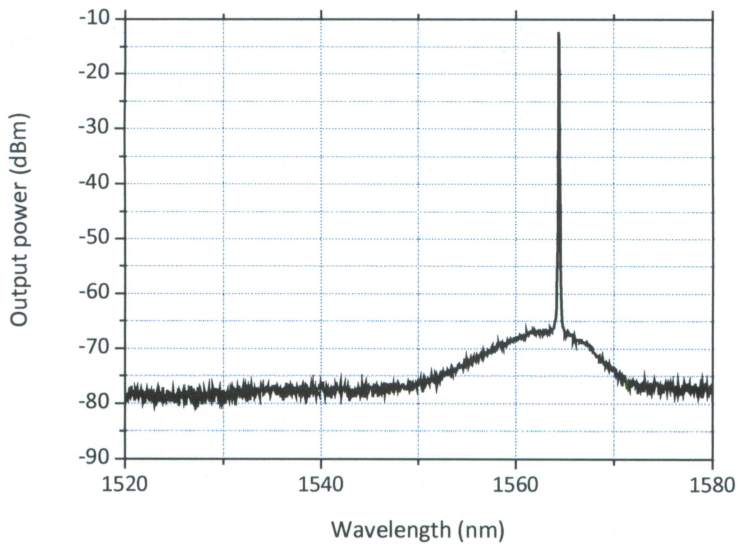
**Figure 3** : 12 hours stability at nominal output power with 5 mW input power @ 1550 nm NKT source (1pt/s)



**Figure 4** : 5 min stability at nominal output power with 5 mW input power @ 1550 nm NKT source (1pt/s)



**Figure 5 :** Output power versus pump current with 5mW input power @ 1565 nm NKT source



**Figure 6 :** Optical spectrum (Res:0.07nm) at nominal output power with 5mW input power @ 1565 nm NKT source

Tested by: L Gallou

04/02/2014