

Production and Quality Control Data Sheet TA DLpro_02101



QM-Form: F-095

Date Form: 26.03.09

Version: 09

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1.0 System Summary

1.1 General

Order Number:	VB.09.0651	Production Date:	27.05.2009
Customer:	Hebrew University - Jerusalem		
Distributor:	Lahat Technologies Ltd.		
Serial Number TA DLpro:	02101		

1.2 Customer's Specifications

Wavelength:	780.0 nm	Output Power:	
Coarse Tuning:		Mode Hop Free Tuning:	

1.3 Summary Master Laser

Article Number Laserdiode:	#LD-0780-0100-AR-1	Serial Number:	AD-00104
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Factory Settings:

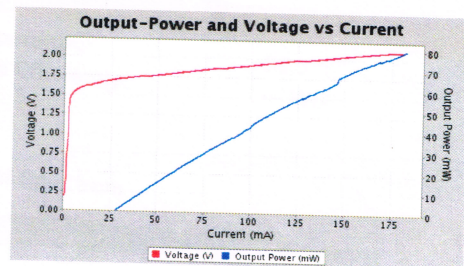
Set Wavelength:	780.2 nm
Set Power:	68.0 mW
Set Current:	160 mA
Set Temperature:	19.7 °C
Lasing Threshold:	27 mA

Maximum Values:

Maximum Power:	80.4 mW**
Maximum Current:	183 mA**
Maximum Voltage:	2.42 V

Power behind optical Isolator: 18.0 mW (@Probe Beam) + 37.0mW* Seed Power

PI/UI Characteristics (in front of optical Isolator)



1.4 Summary Amplifier

Article Number Amplifier:	#TA-0780-1000-7	Serial Number:	674
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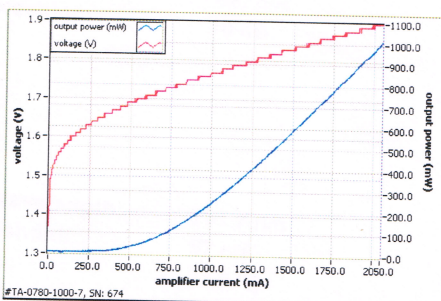
Factory Settings:

Set Power:	1000 mW***
Set Current:	2034 mA
Set Temperature:	19.9 °C
Set Injection-Power:	37.0 mW*

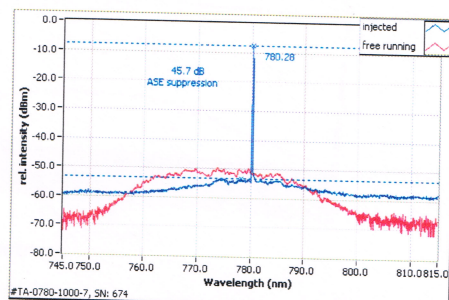
Maximum values:

Maximum Power:	1014 mW**
Maximum Current:	2050 mA**
Maximum Voltage:	1.9 V

PI/UI Characteristics



Optical Spectrum



*Caution: Never exceed 40mW injection Power

**Caution: Never exceed max. output power or max. current, for both the master and amplifier

***Laser output power is less behind optical isolator and/or Fiber coupler (see 3.1 to 3.4)

Please note that the output power depends on the wavelength