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Broadband Light Source Desktop

Model Number: IPSDM1342-0318
Date: August 22, 2016

1. Configuration

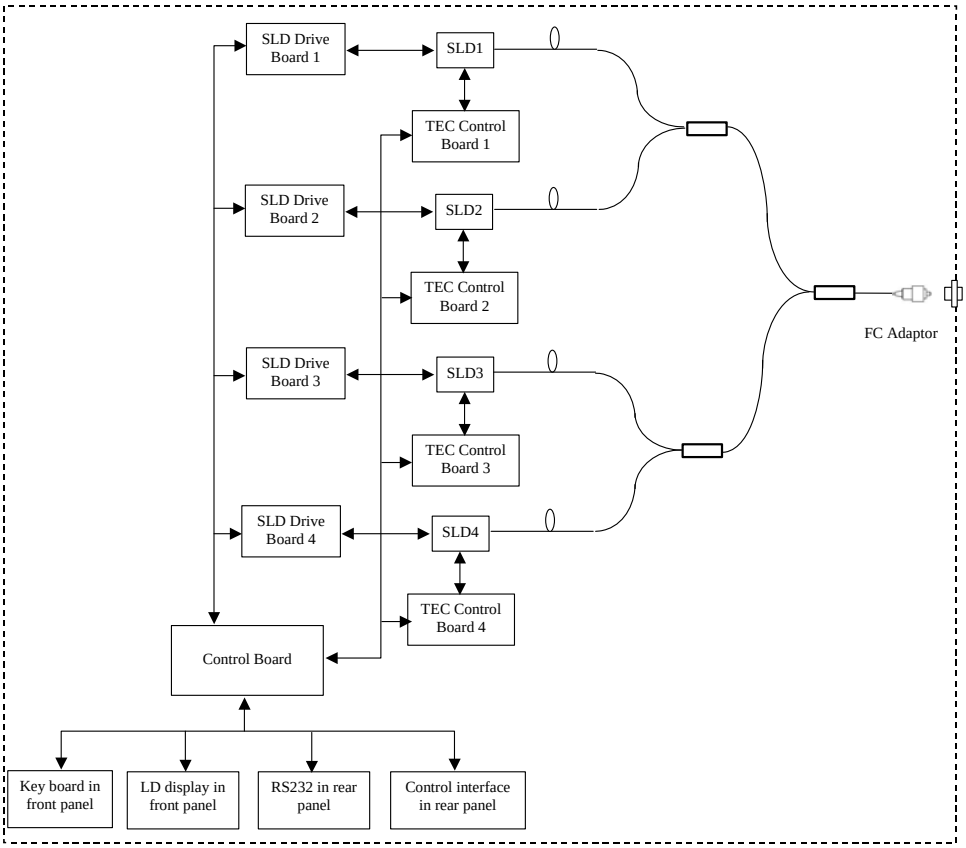

Figure 1 Configuration of IPSDM1342-0318 SLD light source desktop

2. Absolute Maximum Ratings

Parameter	Min.	Max.	Unit
Power Supply Voltage	100	240	VAC
Storage Temperature	-40	+85	°C
Humidity	10	95	%

3. Recommended Operational Condition

Parameter	Min.	Typ.	Max.	Unit
Operating Temperature	10	25	35	°C
Operating Humidity	30	60	75	%

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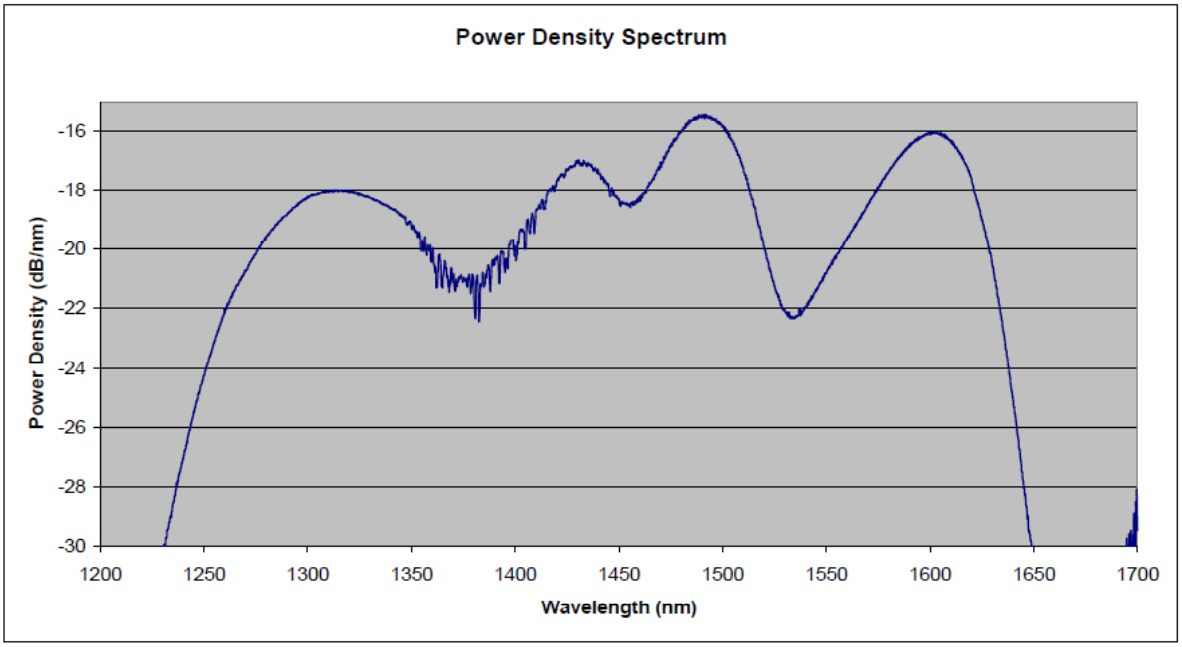
4. Optical characteristics

Items	Specifications			Unit	Notes
	Min.	Typ.	Max.		
Operation Wavelength	1250	-	1650	nm	@25°C and CW optical power. Connectors are included.
Power density within operation wavelength	-30	-	-	dBm/ nm	
Total Optical Power	-	4	-	mW	
ASE Ripple @ 0.1nm	-	-	5	%	
Optical Power Stability (8hr)	-	-	±0.2	dB	Stability test of Pmax after 0.5 hour warm up at 25ºC.
Optical Interface	FC Female Adapter			-	As shown in Section 6 in detail
Connector Type	FC/APC			-	
Fiber type	SMF/PMF			-	

5. Electrical characteristics

Item	Specifications			Unit	Notes
	Min.	Typ.	Max.		
Optical Power Control	Independent current control for each SLD			-	Press keyboard in the front panel manually, or via RS232 by computer.
SLD Drive Current Monitor	SLD drive current display on Screen			-	Or get data through RS232.
Keyboard lock	Lock & Key switch for front panel buttons' activation			-	A keyboard disable switch in the rear panel.
Connector for RS232	DB9 Connector, Male.			-	In the rear panel
Connector for Control	DB9 Connector, Female.			-	

6. Typical Spectrum



7. Physical Dimensions and Mechanical Specifications

1. Size: 344mm(W)×260mm(D)×90mm(H)

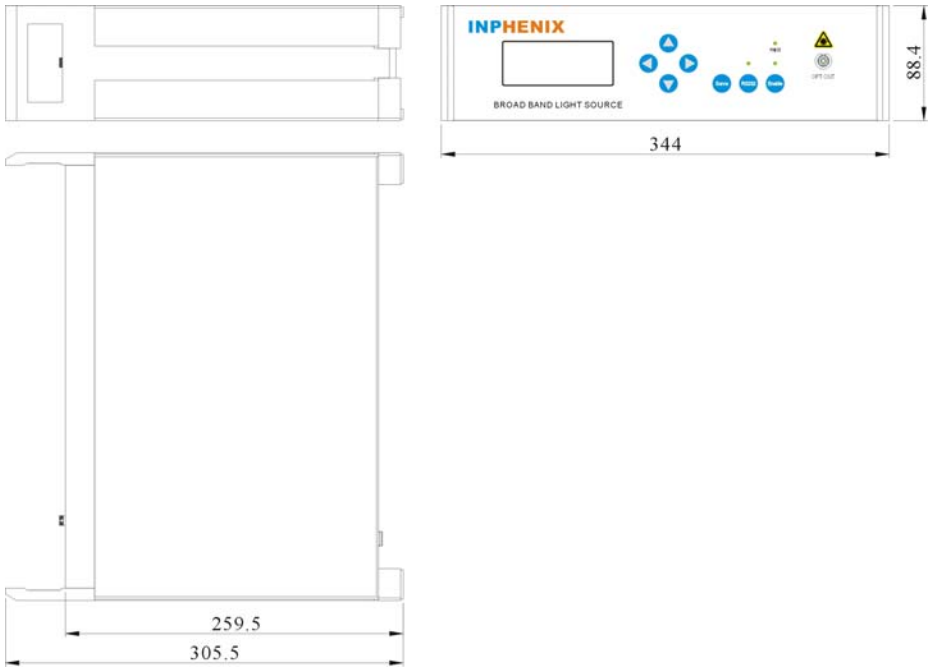


Figure 2 Mechanical drawing of IPSDM1342-0318 SLD light source desktop

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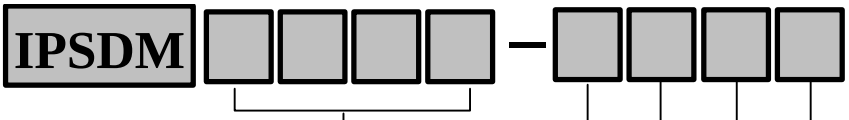
8. Part Numbering Structure of wideband SLD light source module



Model Number
07××: 700~790nm SLD
08××: 800~890nm SLD
09××: 900~990nm SLD
10××: 1010~1090nm SLD
13××: 1300~1390nm SLD
15××: 1500~1590nm SLD

Output Type
0-FC Adaptor
1-Pigtail fiber

Connector Type
0-No Connectors
3-FC/APC 4-FC/UPC
7-SC/APC 8-SC/UPC

Fiber Type
1-900 μm SM Fiber
2-900 μm PM Fiber

Case Size
8- 344×260×90mm case
9- 430×300×90mm case

Example: IPSDM0835-0318: 850nm-type wideband SLD light source module in 344×260×90mm case with FC adaptor output, 900um SM fiber with FC/APC

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