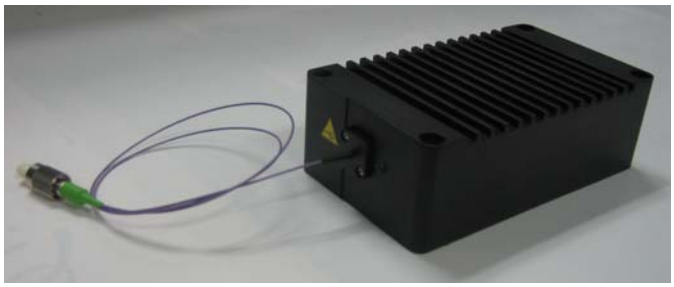
INPHENIX

Delivering Innovative Optical Amplifiers and Light Sources

ULTRA WIDEBAND LIGHT SOURCE MODULES/DESKTOPS

Features

- High Power Density
- Wide Optical Bandwidth
- Plug and Play
- Built-in Current Driver & TEC Control



IPSDW****

Applications

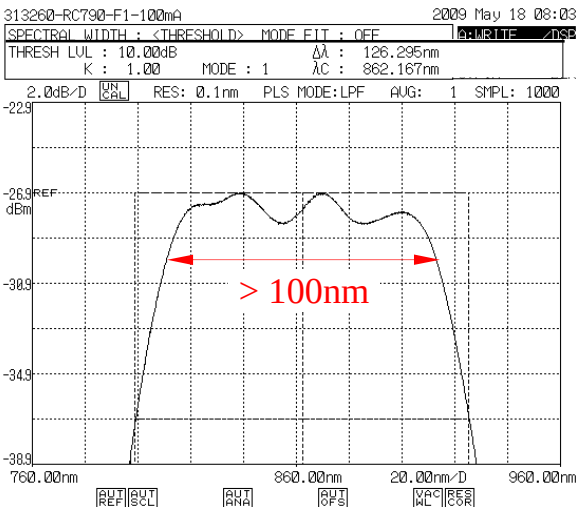
- Biomedical Imaging
- Optical Coherence Tomography (OCT)
- Fiber Optical Sensor (FOS)
- Broadband Light Source Equipment
- Optical Test Instruments

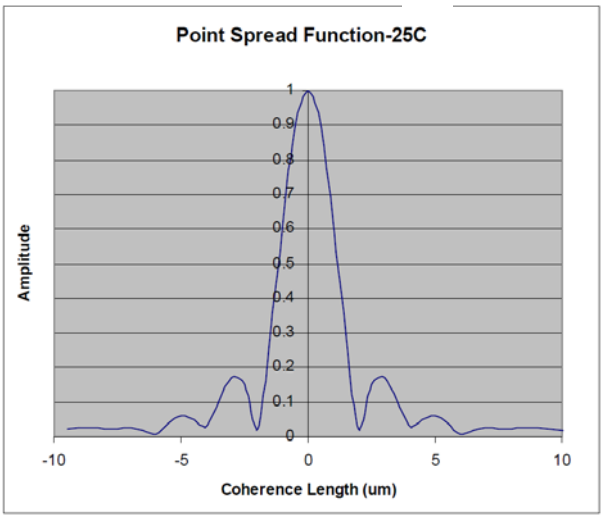
IPSDM****

Specifications

Part No.	Wavelength Range	Output Power*	FWHM*	Spectral Ripple		Spectral Flatness	Point Spread Function**	
	nm	mW	nm	dB	%	dB	dB	%
IPSDW0821	790 ~ 920	5	90	<0.2	< 5	<2.0	<7.0	<20
IPSDM082X	790 ~ 920	5	100	<0.2	< 5	<2.0	<7.0	<20
IPSDM083X	790 ~ 920	5	120	<0.2	< 5	<2.0	<7.0	<20

*: Typical
**: Side Lobe Suppressed Peak relative to Main Peak





Corporate Headquarter

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BROADBAND LIGHT SOURCE MODULES

Features

- High Power Density
- Wide Optical Bandwidth
- Plug and Play
- Built-in Current Driver & TEC Control

IPSDS****

Applications

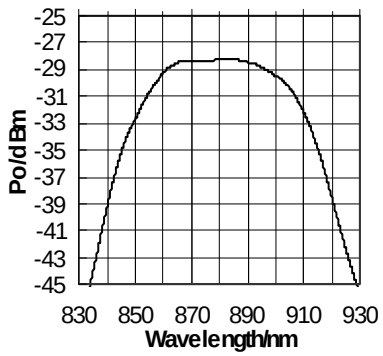
- Biomedical Imaging
- Optical Coherence Tomography (OCT)
- Fiber Optical Sensor (FOS)
- Broadband Light Source Equipment
- Optical Test Instruments

Module Specifications

Part No.**	Center Wavelength	Output Power*	FWHM*	Spectral Ripple	
	nm	mW	nm	dB	%
IPSDS07xx	740 ~ 790	3	10	<0.2	<5
IPSDS08xx	800 ~ 850	5	35	<0.2	<5
IPSDS08xx	850 ~ 900	3	30	<0.2	<5
IPSDS10xx	1000 ~ 1100	10	50	<0.2	<5
IPSDS13xx	1260 ~ 1360	8	50	<0.2	<5
IPSDS15xx	1520 ~ 1590	10	40	<0.2	<5

* Typical

** The last two digits of module's part numbers shall be same as the last two digits of the part numbers of the SLD devices used in the modules.



Customization Available for:

- Operating Wavelength Range
- Output Power
- Optoelectronic Integration
- Interface
- Modulation
- Compact Size

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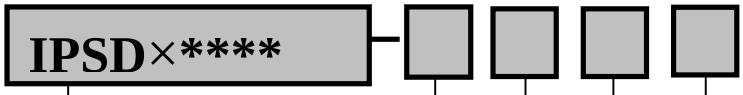
BROADBAND LIGHT SOURCE MODULES



Model:
IPSDS****: Single-SLD Module
IPSDW****: Wide Band SLD Module
IPSDM****: Desktop SLD Light Source

Optical Interface:
0: Adapter
1: Fiber Pigtail Out

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

Fiber Type:
1: SM Fiber
2: PM Fiber

Cases: in unit mm

1. 80(W)×100(L)×26(H) For IPSDS (Single-SLD) Modules only
2. 105(W)×130(L)×26(H) For IPSDS (Single-SLD) Modules only
3. 106(W)×153(L)×37(H) For IPSDS (Single-SLD) or IPSDW (Dual-SLD) Modules
4. 70(W)×120(L)×40(H) For IPSDW (Dual-SLD) Modules only
5. 140(W)×160(L)×40(H) For IPSDW (Tri-SLD) Modules only
6. 140(W)×200(L)×40(H) For IPSDW (Multi-SLD) Modules
7. 205(W)×175(D)×60(H) For IPSDM (Single-SLD) Desktops only
8. 342(W)×240(D)×88(H) For IPSDM Desktops
9. 450(W)×300(D)×88(H) For IPSDM Desktops

Example: IPSDW0821-1314: 840nm Dual-SLD Module with SM fiber pigtail out, FC/APC connector and case 4 dimensions of 70mm(W)×120mm(L)×40mm(H).

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