840nm 10mW 40nm SLD 宽带光源

840nm 10mW 40nm SLD Broadband Light Source

1. 描述(Description):

840nm SLD 宽带光源采用半导体超辐射二极管技术输出宽带光谱，输出功率高，适用于光纤传感等应用。可以提供通信接口和主机软件，以方便监控光源状态。

The 840nm SLD broadband light source adopts semiconductor super radiation diode technology to output broadband spectrum and has high output power, which is suitable for optical fiber sensing and other applications. Communication interface and host computer software can be provided to facilitate the monitoring of light source status.

2. 特性(Features):

- 超宽光谱Ultra Wide spectrum;
- 低光谱纹波Low spectral ripple;
- 平坦光谱Flat spectrum;;
- 可定制Customizable.

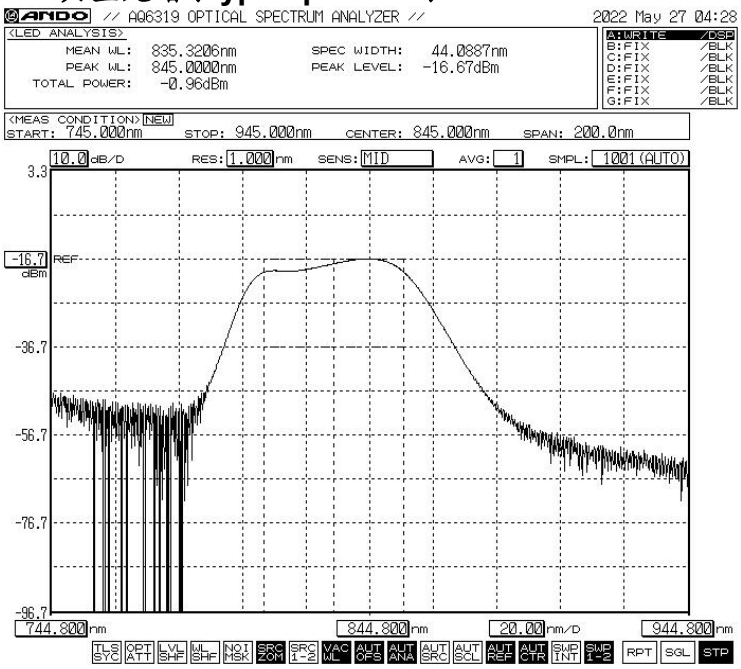
3. 应用(Applications):

- 光纤陀螺Fiber optic gyroscope;
- 医学影像学Medical Imaging;
- 光学相干断层扫描Optical coherence tomography.

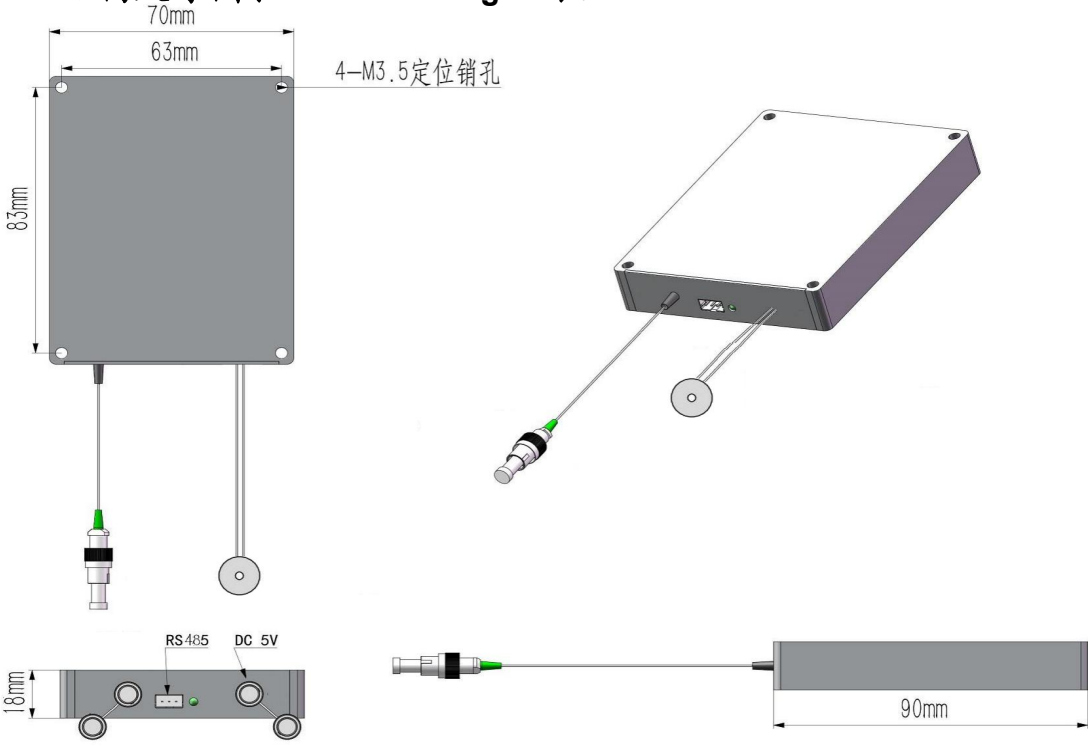
4. 光电特性(Electro-Optical Characteristics):

参数 Parameters	单位 Unit	参数 Values			备注 Notes
工作波长 Operating wavelength	nm	840			±20
出纤功率 Output power	mW	Min. 10			840nm
-3dB 带宽 Bandwidth	nm	Min.40	Typ.45		
短期稳定性 Short-term stability	dB	≤±0.02/15 min			
长期稳定性 Long-term stability	dB	≤±0.05/8 hours			
光隔离器 Optical isolator	dB	Without			Module
光纤类型 Pigtail fiber	-	Hi780 or PM850			FC/APC
通信 Communication interface	-	Touch screen/DB9 Female(RS485)			Benchtop
		DB9 Female(RS485)			Module
供　电 Power supply	-	AC 110~240V, <30W			Benchtop
		5VDC or 12VDC, <15W			Module
尺　寸 Dimensions	mm	195(W)×220(D)×120(H)			Benchtop
		70(W)×90(D)×18(H)			Module
工作温度 Operating temperature	℃	-5 ~ +55			
工作湿度 Operating humidity	℃	0~70%			

5. 典型光谱(Type spectrum):



6. 结构尺寸图(Dimension diagram):



7. 订购信息(Order information):BSLD-840-104SM-FA-M

宽带光源 SLD Source	工作波长 Wavelength	输出功率 Output power	-3dB 带宽 Bandwidth	光纤类型 Fiber type	尺寸 Dimension	供电电压 Voltage
BSLD	**-XXX**	**-XX**	**-XX**	**XX**	**-X**	**(X)**
SLD Laser source	840: 840nm	10: 10mW	4: 40nm	SM: Hi780 PM: PM850	M: Module B: Benchtop	Default: 5VDC H: 12VDC