

1064nm ASE 宽带光源

1064nm ASE Broadband Light Source

1. 描述 (Description):

1064nm ASE 宽带光源基于掺镱光纤和半导体泵浦激光器，光谱覆盖 1040~1080nm 波长，较高输出功率和较好的平坦度。可用于光纤器件测试、FBG 光栅生产等。

The 1064nm ASE broadband light source is based on ytterbium doped fiber and semiconductor pump lasers, with 1040~1080nm spectral coverage, high output power and good flatness. suitable for fiber optic device testing, FBG grating production, etc.

2. 特性 (Features):

- 光谱平坦 Spectral flatness;
- 功率可调 Adjustable output power;
- 高稳定度输出功率 High stability output power.

3. 应用 (Applications):

- 光纤传感 Fiber sensing;
- 医学成像 Medical imaging;
- 生产测试 Fiber optic device testing.

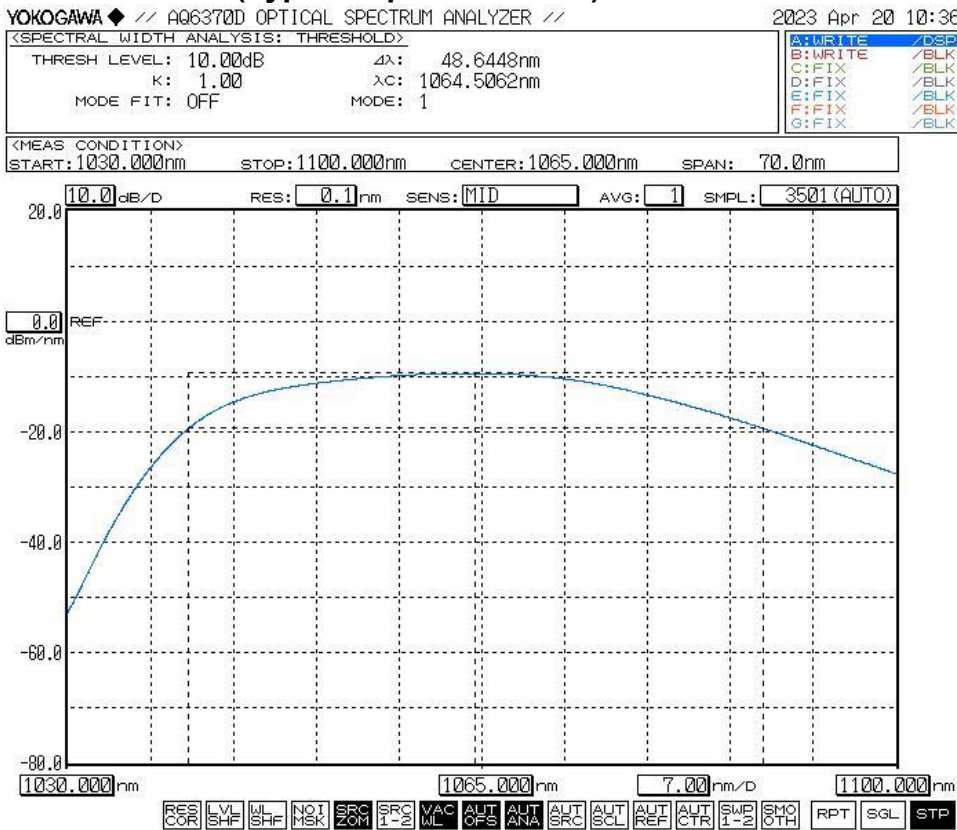


4. 光电特性 (Electro-Optical Characteristics):

参数 Parameters	单位 Unit	参数 Values								备注 Notes
中心波长 Center wavelength	nm	1064±2								
光谱范围 Spectral range	nm	1040~1080								@10dB
输出光功率 Output power	mW	10	20	30	50	100	500	1000		
功率调节范围 Power regulation range	-	10%~100%								Optional
输出端隔离度 Output isolation	dB	≥35								
光功率稳定性 Power instability	dB	≤±0.02(15min.); ≤±0.05(8hrs)								≤±0.5%; ≤±1.2%
偏振态 Polarization state	-	Natural polarization				Linear polarization				
偏振消光比 PER	dB	≤0.2				≥23(10-100mW)				
尾纤和接头类型 Pigtail fiber	-	Hi1060				PM980				FC/APC
通信接口 Communication interface	-	Touch screen/DB9 Female(RS232)								Benchtop
		DB9 Female(RS232)								Module
供电 Power supply	-	AC 110~240V, <30W								Benchtop
		DC 5V, <24W								Module
	mm	255(W)×285(D)×115(H) (10, 20, 30, 50, 100mW)								Benchtop

尺寸 Dimensions		255(W)×322(D)×115(H) (500, 1000mW)	Benchtop
		150(W)×125(D)×20(H) (10, 20, 30, 50, 100mW)	Module
		139(W)×206(D)×27(H) (500, 1000mW)	Module
工作温度 Operating temperature	℃	-5 ~ +55	
工作湿度 Operating humidity	℃	0~70%	

5. 典型光谱曲线(Typical Spectral Curve):



6. 订购信息 (information):

宽带光源 ASE	光谱范围 Spectral range	输出功率 Output power	输出尾纤 Pigtail fiber	尺寸 Dimension
ASE	1064: 1064nm	10: 10mW 20: 20mW 30: 30mW 50: 50mW 1H: 100mW 5H: 500mW 1T: 1000mW	SM: Hi1060 PM: PM980	M20: Module M27: Module B: Benchtop