

1030nm ASE 宽带光源

1030nm ASE Broadband Light Source

1. 描述 (Description):

1030nm ASE 宽带光源基于掺镱光纤和半导体泵浦激光器，光谱覆盖 1030nm 波长，较高输出功率的同时具有低至 0.2dB 的偏振消光比。可用于光纤器件测试、FBG 光栅生产等。

The 1030nm ASE broadband light source is based on ytterbium doped fiber and semiconductor pump lasers, with 1030nm spectral coverage and high output power. 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.

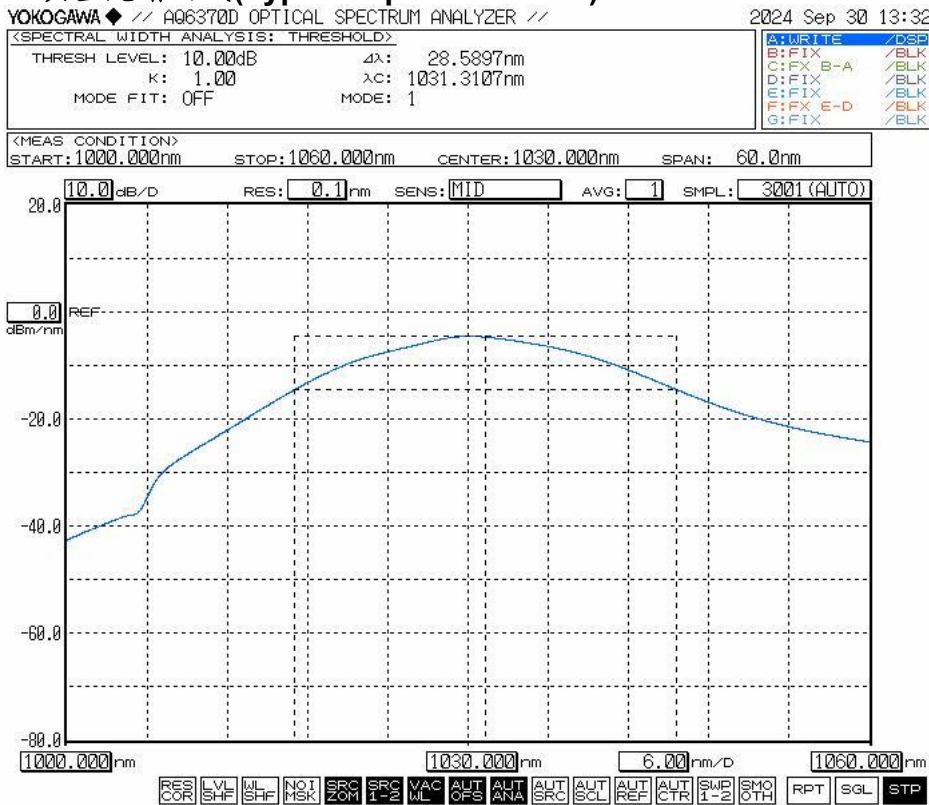


4. 光电特性 (Electro-Optical Characteristics):

参数 Parameters	单位 Unit	参数 Values								备注 Notes
中心波长 Center wavelength	nm	1030±2								
光谱范围 Spectral range	nm	1018~1044								@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 ge 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	1030: 1030nm	10: 10mW 20: 20mW 30: 30mW 50: 50mW 1H: 100mW 5H: 500mW 1T: 1000mW	SM: Hi1060 PM: PM980	M20: Module M27: Module B: Benchtop