

980nm ASE 宽带光源

980nm ASE Broadband Light Source

1. 描述 (Description):

980nm ASE 光源基于稀土光纤的自发辐射, 具有较好的光功率和较低的偏振度, 光谱覆盖 980nm 波段。适合用于光纤器件损耗、偏振度等测试, 以及 FBG 光栅生产等。

The 980nm ASE light source is based on the spontaneous emission of rare earth optical fibers, which have good optical power and low polarization. Suitable for testing fiber optic device loss, polarization degree, and FBG grating production.

2. 特性 (Features):

- 宽光谱范围 Wide spectral range;
- 高稳定性 High stability;
- 低偏振度 Low polarization degree.

3. 应用 (Applications):

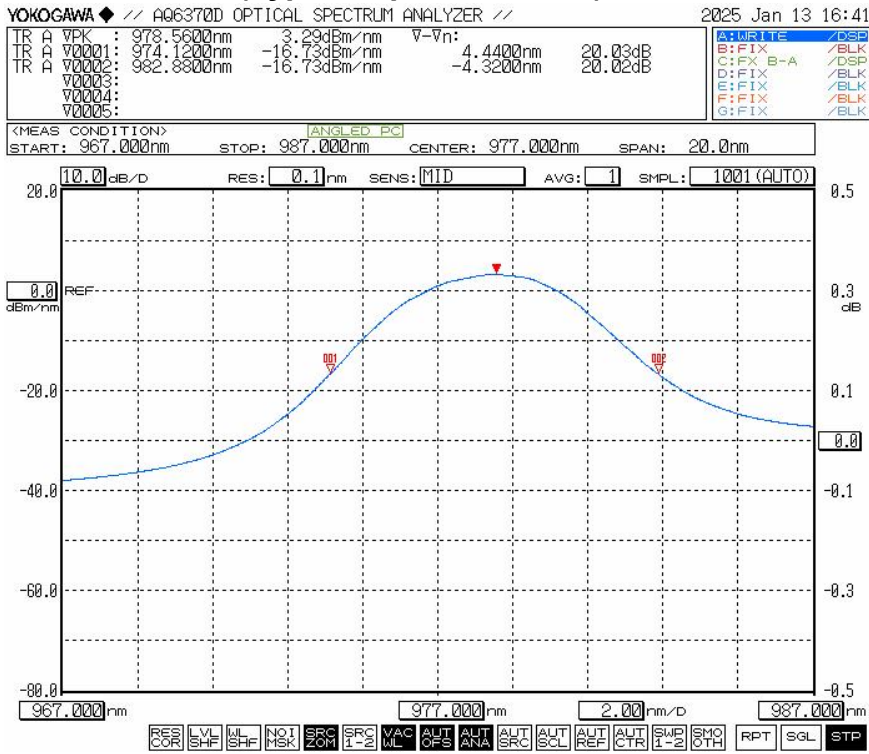
- 光纤激光 Fiber laser;
- 光学光栅测试 Optical grating testing;
- 光纤器件测试 Fiber optic device testing.



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

参数 Parameters	单位 Unit	参数 Values	备注 Notes
光谱范围 Spectral range	nm	973~982	20dB range
输出光功率 Output power	mW	10	Unadjustable
功率谱密度 Power spectral density	dBm/nm	≥-20	
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	完全非偏振
偏振消光比 PER	dB	≤0.2	
偏振度 Degree of polarization	-	≤2.5%	
尾纤和接头类型 Pigtail fiber	-	Hi1060	FC/APC
通信接口 Communication interface	-	Touch screen/DB9 Female(RS232)	Benchtop
供电 Power supply	-	AC 110~240V, <30W	Benchtop
尺寸 Dimensions	mm	255(W)×285(D)×115(H)	Benchtop
工作温度 Operating temperature	°C	-5 ~ +55	
工作湿度 Operating humidity	°C	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	980: 980nm	10: 10mW	SM: Hi1060	B: Benchtop