

L-Band ASE Broadband Light Source

The L-Band ASE broadband light source is an incoherent light source, which is the spontaneous radiation generated by the semiconductor laser pumped erbium-doped quartz fiber, and the spectral planarization technology is introduced to achieve the broadband flat spectrum. The wavelength of the light source covers the L-band, the spectral flatness is better than 3dB, and it is output through single-mode fiber or bias-preserving fiber, which is suitable for applications such as fiber sensing.

Characteristics

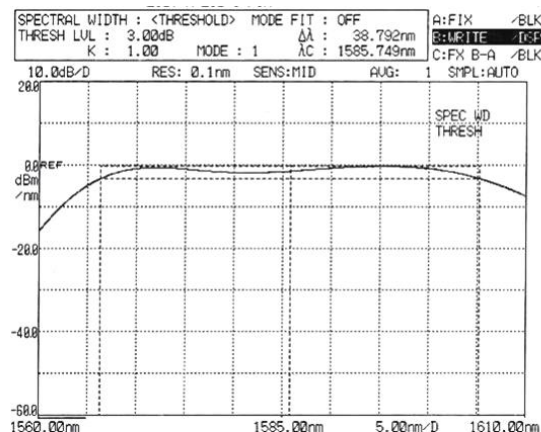
- Flattened Optical Spectrum
- Easy Operation
- Excellent Stability of Power

Applications

- Fiber Sensing
- Medical Imaging
- Test and Measurement



Desktop Model



Optical Parameters	Unit	Typical Value	Remarks
Wavelength Range	nm	1567~1603@2dB	1565~1610nm@10dB
Total Output Power	mW	10/20/50/100	
Power Turning Range	-	10%~100%	*Optional
Spectral Flatness	dB	2 (Type), 3(Max)	
Output Isolation	dB	>35	
Power Instability(15min.)	dB	≤ ±0.02	≤±0.5%
Power Instability(8hr)	dB	≤ ±0.05	≤±1.2%
Degree of Polarization	dB	≤ 0.2	
Optical Fiber	-	SMF-28/PM1550	
Fiber connector	-	FC/APC	

General Parameters	Desktop	Module
Control Function	Keystroke	RS232 serial Communication
Remote control Port	Optional	DB9 Female
Power Supply	AC100~240V, <30W	DC5V, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information/ Product Code					
ASE	Wavelength	Output Power(mW)	*Power Tunable	Fiber	Packaging
	L=L band	10/20/50/100	*T (optional)	SM=SMF-28 PM=PM1550	M - Module B - Desktop