## SIMTRUM

## 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 Lband, 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.

SIMTRU Applications Characteristics Fiber Sensing Flattened Optical Spectrum Easy Operation Medical Imaging Excellent Stability of Power **Test and Measurement** SPECTRAL WIDTH : <THRESHOLD> MODE FIT THRESH LVL : 3.00dB Δλ Κ : 1.00 MODE : 1 λC FIT : OFF Δλ : 38.792mm λC : 1585.749mm MID AUG: 1 SMPL:AUTO : OFF **Desktop Model** 10.0dB/D 28.0 SENS:MID RES: 0.1nm SPEC WD THRESH dB /n -286 -488 -68.0 1560.00nm

<b>Optical Parameters</b>	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		

1585.00nm

5.00nm/D

1610.00nm

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%			

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	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			

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