# C+L band ASE Broadband Light Source



### Description:

Fiber ASE broadband light source belongs to incoherent light source, which is the spontaneous emission generated by erbium-doped quartz fiber pumped by semiconductor laser. At the same time, spectral flattening technology is introduced to realize broadband flattening spectrum. The light source wavelength covers the L-band, and the spectral flatness is better than 3dB. It is output through single-mode fiber or polarization maintaining fiber, which is suitable for optical fiber sensing and other applications.

#### Features:

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

### Application:

- Fiber Sensing
- Medical Imaging
- Test and Measurement



# LD-PD INC

## Parameters:

Optical Parameters	Unit	Typical Value	Remarks
Wavelength Range	nm	1528~1603	≥75nm@3dB, C+L band
Total Output Power	mW	10/20/50/100/200	
Power Turning Range	-	10%~100%	*Optional
Spectral Flatness	dB	≤3	*
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	

## Spectrum:



General Parameters	Bench-top	Module		
Control Function	Key lock switch, Push button	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:

ASE	Wavelength	Output Power(mW)	*Power Tunable	Fiber	Packaging
	CL=C+L band	10/20/50/100/200	*T (optional)	SM=SMF-28	M=Module
				PM=PM1550	B=Benchtop

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