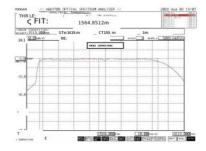


C+L band ASE Broadband Light Source

The fiber ASE brodband light source is a non-coherent ight source, which is he spontaneous emision generated by ebium-dopedquart fber pumped by asemiconductor laser. It adops specral fatening tehnology t achieve a broadband fat spectrum. The light ource wavelength coves the C+L band, with a spectral fatmessbeter than 3dB, and is delivered through a single mode.

Output in optical fiber or polarization-maintaining optical fiber, suitable for applications such as optical fiber sensing.



Features

Flat spectrum/adjustable power/ highly stable output power

Application

Optical fiber sensing/Medical imaging/Optical fiber device testing

Optical indicators	unit	Typical value			lue		Note	
Spectral range	nm	1528-1603					≥75nm@3dB,C+L band	
Output optical power	mW	10	20	50	100	200		
Spectral power density	dBm/nm	≥-9	≥-6	≥-2	≥1	≥4		
Power regulation range (optional function)	-	10%to 100%					Power adjustable and maintaining flatness	
Spectral flatness	dB	≤3@10/20/50/100mW					≤6dB@200mW	
Output port isolation degree	dB	>35						
Short-term stability(15 minutes)	dB	±0.02 or less			ess		Equivalent≤±0.5%	
Long-term stability(8 hours)	dB	±0.05 or less					Equivalent≤±1.2%	
Polarization extinction ratio(PER)	dB		≤0.2		≥23			
Optical fibers and connectors	-	S	MF-28		PM1550		FC/APC	

Electrical and environmental parameters	Desktop	Module		
Control mode	Key input/RS232 serial communication	RS232 serial communication		
Communication interface	DB9 Female	DB9 Female		
Power su	100~240V AC,<30W	5V DC,<15W		
Pply Size	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm		
Operating temperature range	-5~+35°C			
Working humidity range	0 to 70%			

Ordering Information/Model									
ASE	Spectral range	Output power(mW)	Adjustable power(optional)	Output pigtail type	Encapsulation form				
	CL	10/20/50/100/20	*T	SM=SMF-28 PM=PM1550	B=desktop M=module				