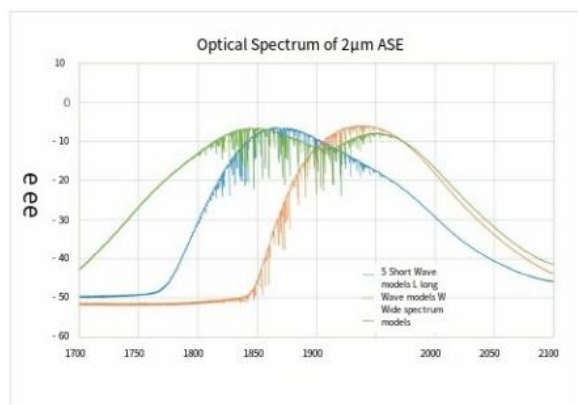


2000nm-band ASE Broadband Light Source

The 2000nm band ASE broadband light source adopts short-wavelength laser pumping of thulium-doped fiber, with a single-mode fiber output power up to 2W at most, and the spectrum covers 1750~2000nm, which is suitable for applications such as laser biology and spectral measurement.



Spectrum of ASE light source in the 2000nm band

Features

Flat spectrum
Mid-infrared band
High stability output power

Application

Optical fiber sensing
Medical imaging
Optical fiber device testing

Optical indicators	unit	Typical value			Note
Band model		Shortwave model(S)	Long-wave model(L)	Wide-spectrum model(W)	
average wavelength	nm	1880	1940	1902	
Spectral width	nm	113	90	170	@10dB
Output optical power	mW	10	10	10	
Customizable output optical power	mW	10/20/50/100/500/200			
Output port isolation degree	dB	>35			
Short-term stability(15 minutes)	dB	±0.02 or less			Equivalent≤±0.5
Long-term stability(8 hours)	dB	±0.05 or less			Equivalent≤±1.2
Polarization extinction ratio(PER)	dB	≤0.2			
Optical fibers and connectors		SM1950			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	DC12V3A,≤36W
Pply Size	260(W)×320(D)×120(H)mm	139(W)x235(D)x70(H)mm
Operating temperature range	-5~+35℃	
Working humidity range	0 to 70%	

Ordering Information/Model:

ASE	2000 band	Output power(mW)	Output pigtail type	Encapsulation form
	2000-S/L/W	10/20/50/100/500/200	SM	B=desktop M=module