

Ultra-Broadband SLD 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:

- Spectral flatness
- Power adjustable
- High stability output power

Application:

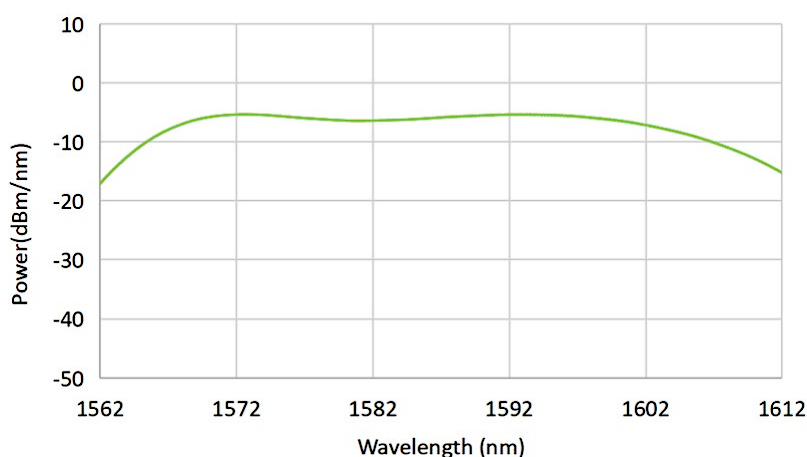
- Optical fiber sensing
- medical imaging
- Optical fiber device test

Specifications:

Optical parameters	Unit	Type	remarks
Spectral range	nm	1567~1603@2dB	1565~1610nm@10dB
Output optical power	mW	10/20/50/100	Constant power
Power regulation range (optional function)	-	10%~100%	Spectral flatness unchanged
Spectral flatness	dB	2 (Type), 3(Max)	
Output isolation	dB	>35	
Short term stability (15 minutes)	dB	$\leq \pm 0.02$	equal $\leq \pm 0.5\%$
Long term stability (8 hours)	dB	$\leq \pm 0.05$	equal $\leq \pm 1.2\%$
Degree of polarization DOP	dB	≤ 0.2	
Output pigtail type	-	SMF-28 or PM1550	
Pigtail connect type	-	FC/APC	

Electrical and environmental parameters	Bench Top	Modular
Control mode	button	RS232 Serial communication
Communication interface	Optional	DB9 Female
Power supply	100~240V AC, <30W	5V DC, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operating temperature range	-5~+35°C	
Operating humidity range	0~70%	

Optical Spectrum of L Band ASE Source



Ordering Info:

Ordering information / model					
ASE	Spectral range	Output power (mW)	*Power adjustable (optional)	Output pigtail type	Packaging form
	L	10/20/50/100	*T	SM= Single mode fiber PM= Polarization maintaining fiber	B= Bench Top M= Modular