1250-1650nm ultra-broadband SLD light source 10mW

Product Description

The ultra-wideband SLD light source uses multiple bands of super-radiant light sources to combine and splice the spectrum, achieving single-mode fiber output covering an ultra-wideband spectrum of 1250-1650nm wavelength, while having a high optical power spectrum density. It is suitable for passive device testing, fiber optic sensing and other applications.

Product features

Ultra-wide spectrum、 Low spectral ripple、 Power stability

Part Number

MP-SLD-2565-25-B

Application area

Fiber optic sensing、 Medical imaging、 Fiber optic device testing

Core parameters

Wavelength	Optical Power	Fiber Type
1250-1650nm	10mW	SMF-28e

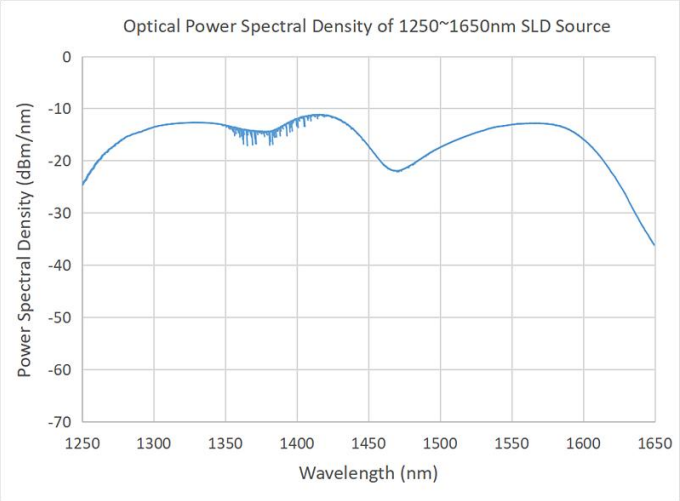
General Parameters

Parameter

Parameter	Unit	Typical	Notes
Spectral range	nm	1250~1650	
Total output optical power	mW	>10	Not adjustable
Spectral power density	dBm/nm	⩾-25	
Spectral ripple	dB	<0.2	
Short-term stability (15 minutes)	dB	⩽ ±0.02	Equivalence⩽±0.5%
Long-term stability (8 hours)	dB	⩽ ±0.05	Equivalence⩽±1.2%
Degree of polarization DOP	dB	⩽ 0.2	

Parameter	Unit	Typical	Notes
Pigtail type	-	SMF-28Fiber	
Pigtail connector type	-	FC/APC	

Electrical and environmental parameters	Benchtop	Module
Control mode	Button	RS232 Serial communication
Communication interface	Optional	DB9 Female
Power supply	100~240VAC, <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%	



*1350~1400nm is the OH- absorption peak

Ordering Information

Ordering information / PN#			
SLD	Spectrum range	Power spectral density (dBm/nm)	Package method
	1250~1650nm	-25dBm/nm	Benchtop Module