2.0um ASE Broadband Light Source

Description

The 2.0um high-stability ASE light sources of Idealphotonics Laser are a broadband source with mid-infrared wavelength. They have stable output power and can be widely used in the areas of spectroscopy, gas sensing and biomedical research.

The 2.0um high-stability ASE light sources of Idealphotonics Laser is a highly integrated system source. The benchtop sources use high-definition LCD which displays the current and voltage synchronously and has continuously tunable output power; suitable for scientific research and manufacturing testing. In addition, Idealphotonics Laser can provide compact module package for system integration.

Feature

- All-fiber structure
- Output isolation
- High stability output
- Turn-Key system
- Infrared wavelength region

Application

- Test and measurement
- Spectroscopy
- Gas Sensor
- Biomedical Application
- Other science research

Specification

Specifications	Unit	Specifications		
		Min	Typ.	Max
Part No.		IDP-Tm-2000-B		
Operating wavelength range	nm	1900	-	2050
Output power[1]	mW	10	-	50
Spectral width（FWHM）	nm	50	-	-
Output isolation	dB	30	-	-
Polarization extinction ratio	dB	15	20	-
Stability of output power（15min）[2]	%	-	±0.5	±1.0
Stability of output power（8h）[2]	%	-	±2.0	±5.0
Output power adjustable range	%	30~100		
Output polarization		Random（PM optional）		
Beam Quality	M2	<1.2		
Output fiber and connector		Single Mode Fiber，FC/APC		
Operating voltage	VAC	170	220	250
Power consumption[3]	W	-	-	20
Operating temperature	℃	0	-	40
Storage temperature	℃	-40	-	85
Dimension	mm	270(L)×235(W)×105(H)		

1. Output power is optional, typical output power: 10mW、20mW、30mW、100mW；
2. The output power stability is measured under 25℃，30 minutes after warm-up；
3. The max power consumption refers to the consumption under extreme temperature conditions.

Ordering Information：

IDP-Tm-2000-B-<PW>

B:Benchtop

PW:Output power in mW, Example:10-10mW, 50-50mW