

JWD-1100

Bench-top Optical High Stable Light Source



The JWD-1100 series high stable light source are microprocessor controlled laser diode sources which can support the variety of emitters such as: DFB, FP, PUMP, SLED and etc. It is specially used in passive components testing, power meter calibration and general laboratory uses.

Key Features

- High Flexibility - provides 1 to 3 wavelength output and wavelength and combination can be user selectable prior to order.
- High Stability and Reliability – the accurate internal temperature control ensures the constant output wavelength and low bias.
- Output power can be adjusted and the range is among 5% ~ 100% of the maximum output power. JWD1100 adopts the digital adjustment of output power, to prevent the inconsistency bring from the potentiometers.
- Wavelength adjustment – with the digital adjustment of laser emitter temperature, the user can do the slight adjustment for the wavelength when necessary.
- Over temperature protection – JWD-1100 will cut off the laser emitter automatically and stop the work when the surrounding temperature over the limitation.
- Auto Fan Control – JWD-1100 can sensor the temperature through the internal transducer, and it will start once the temperature over the standard, this can increase the using life of the unit.

Standard Package

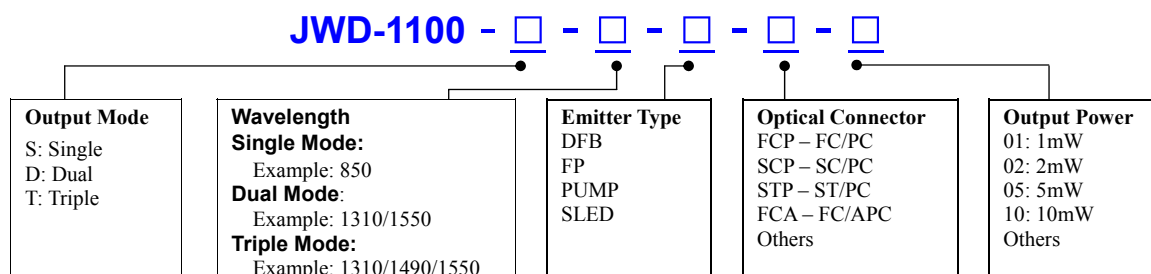
- JWD-1100 Main Unit
- Power Supply Cord
- Fuse
- Instruction Manual
- Cotton tampon

Specifications

ITEM	JWD-1100		
Output mode (wavelength) ¹	Single	Dual	Triple
Operating Wavelength(nm)	850, 980, 1300,1310, 1480,1550, 1625,	1310/1550, 1310/1490, 1490/1550, 980/1550	1310/1490/1550
Emitter Type ²	DFB, FP-LD, PUMP and SLED		
Optical Connector ³	FC/APC		
-3dB Spectral Width	<0.1nm		
-20dB Spectral Width	<0.5nm		
Side mode suppression ratio	>35dB (DFB)		
Maximum Output Power ⁴	1mW, 2mW, 5mW, 10mW or others		
Maximum Attenuation	> 40 dB in 0.1dB step		
Output power stability (within 15 minutes)	±0.005dB		
Output power stability (Within 24 hours)	±0.05dB		
Digital Internal Modulation	1Hz ~ 20KHz		
Digital External Modulation	0Hz ~ 20KHz		
TEC stability	±0.01°C @15 minutes; ±0.05 °C @ 24 hours		
Power Supply	110V or 220V (50Hz ~ 60Hz)		
Operating Temperature	10 ~ +50 °C		
Storage Temperature	-10 ~ +60 °C		
Warm Up Time	0.5 hour		
Dimension	280 x 260 x 120 (mm)		
Weight	4.7kg		

1. Other wavelength or combinations are available upon request.
2. User can specify one type emitter from them if necessary prior to order.
3. Other type adapters are available upon request
4. The maximum output power varies depending on type of emitter. User needs to specify output power prior to order.. Talk to agent about availability before placing order.

ORDERING INFORMATION



Example: JWD-1100-D-1490/1550-FP-FCA-02 is translated as JWD-1100 with dual wavelength 1490/1550nm, FP type emitter, FC/APC connector and 2mW output.