

CWDM LD Light Source



The Appointech handheld stabilized CWDM DFB LD light source has output wavelengths from 1470 to 1610nm, individually turned on. The output power is highly stabilized by a proprietary circuit design. The operation is very user friendly. After turning on with the ON/OFF switch, the wavelength is selected by pressing the λ -key until the required one is shown on the LCD, together with its output power value. The output power for each wavelength is preset at -3 dBm, or at a customer-defined value. The output can be DC, or modulated at 270Hz, 1KHz, or 2KHz by pressing the Hz-key, which is also shown on the LCD. When in Auto-Off mode, as indicated by a power symbol with a cross on the LCD, the power will be shut off after about 10 minutes on-time for battery life, in case not in use for a prolonged time. To turn it back on, press the ON/OFF switch again, and follow the same procedure as stated above. The auto-off feature can be disabled by pressing the Auto-Off key, as indicated by a power symbol without a cross. When the battery power is too low to assume proper operation, an empty battery symbol is shown on the LCD display. The included rechargeable battery works with a power adaptor of a USB connector, which is also included. When charging is in OFF-mode, the indicator LED will be on until charging has been completed.

Features

- Wavelength 1470 to 1610 nm
- Ultra high output stability <0.15 dB STD
- High output power preset at -3 dBm, or at customer-defined value
- Selectable CW, 270 Hz, 1KHz or 2KHz modulated output
- Small size, easy for field applications
- Light weight, less than 0.2Kg
- Auto power shut-off for battery life
- Auto laser shut off at above 60°C
- Battery-low indicator

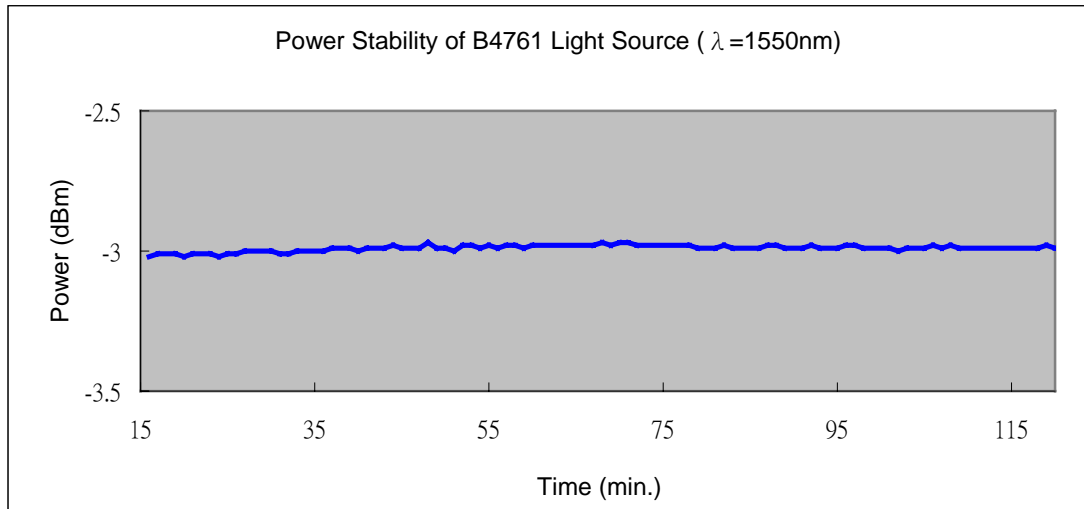
Applications

- Component measurements
- Fiber network tests
- Transmission loss measurement
- Sensing systems
- Calibration of optical receivers

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Specifications

Wavelength Central Spectral Width	CWDM 1470 to 1610 nm < 1 nm
Stability STD. (1 hr period after turning on 15 min.)	<0.15dB
Power Output: (Into 9/125um Fiber)	-3dBm (or customer specified)
Power Output Uncertainty	0.5 dB
Functions	ON/OFF (Power switch) HZ (Modulated output mode) Auto shut off at 60°C Auto shut off after 10 minutes turn-on time Auto shut off disabled Low battery power indication
Modulation Frequencies	270Hz, 1kHz or 2kHz
Optical Connector Interface	FC or ST or SC, adapter for other connector available
Power	Rechargeable Lithium battery, works continuously for 8 hrs after 2-hrs full charge
Environmental: Operation Temp. Humidity Storage Temp. Humidity	-15°C to 50°C, 0-95% RH (non-condensing) -35°C to +70°C, 0-95% RH (non-condensing)
Dimensions (Length x Width x Height)	16x7x3 cm (measured without case)
Weight (w/ batteries)	<0.2Kg

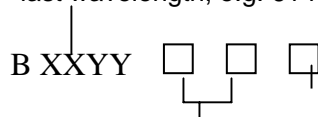


Standard Deviation=0.01dB

Ordering information

XX=first wavelength, e.g. 47 for 1470nm

YY=last wavelength, e.g. 61 for 1610nm



Connector type
SC, FC, ST,
Or Universal UV

Output Power

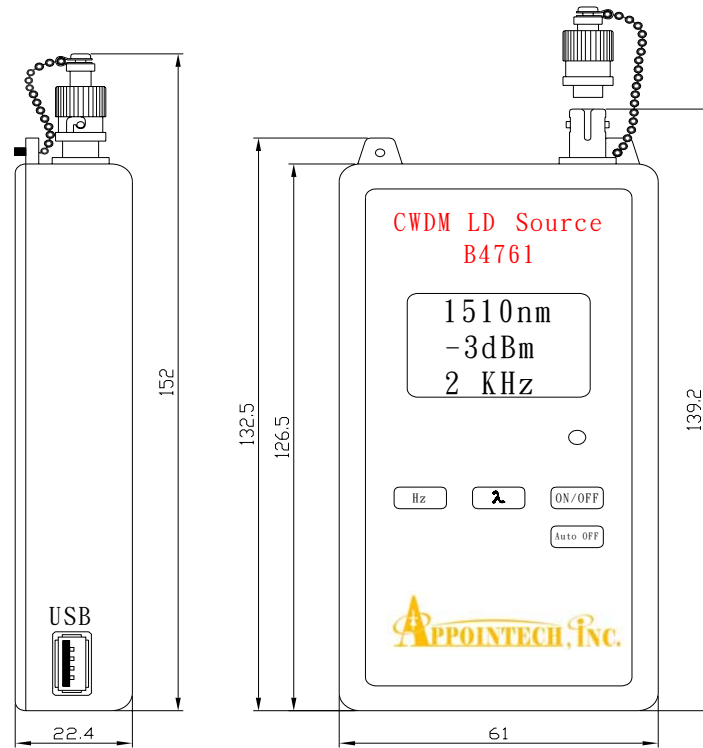
e.g. -3 for -3 dBm

0 for 0 dBm

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- Options: Standard Single or Multi-units Carrying Case
- Heavy-Duty Multi-units Carrying Case
- Receptacle Converters

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Unit:mm

