

## B635 LD Light Source

The Appointech B635 handheld stabilized LD light source has wavelength at 635 nm. The output power is highly stabilized by a proprietary circuit design. The operation is very user-friendly. After turn-on with the ON/OFF switch, the output power is DC, as indicated by the right LED lamp. The modulated output can be selected with the MOD switch, as indicated by the left LED lamp. The modulation frequency is set with a switch



located inside the battery compartment. 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. When the case temperature gets above 60°C, the laser is shut off for protection, and back on again when the case temperature is lower than 60°C. In case the battery power is too low to assume proper operation, the ON/OFF indicating LED lamp will blink. New batteries are required.

B635 LD Light Source

### Features

- Wavelength 635 nm
- Ultra high output stability <  $\pm 0.05$ dB
- Output power can be per customer's request
- Selectable CW to 2KHz modulated output
- Small size, easy for field applications
- Light weight, less than 150g
- 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
- Material analysis
- Laboratory research

## B635 LD Light Source

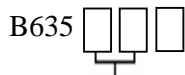
### Specifications

Wavelength: Central Range Spectral Width	635nm 630 – 640 nm 5nm
Stability (1 hour)	< ±0.05dB
Power Output: (Into 9/125um Fiber)	-3dBm (or customer specified)
Power Output Uncertainty	0.5 dB
Functions	ON/OFF (Power switch) MOD (Modulated output mode) Auto shut off at 60°C Auto shut off after 10 minutes turn-on time Low battery power indication
Modulation Frequencies	270Hz, 1kHz or 2kHz (Switch accessed in battery compartment)
Optical Connector Interface	FC or ST or SC, adapter for other connector available
Power	2 AA alkaline batteries /AC110V or AC220V electrical power supply
Environmental: Operation Temp. Humidity Storage Temp. Humidity	5°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)	115 x 66 x 23 mm (4.5 x 2.6 x 0.9 in.)
Weight (w/ batteries)	145g

Note: Specifications subject to change without notice.

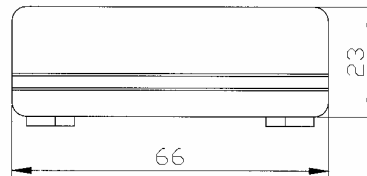
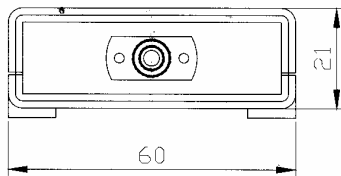
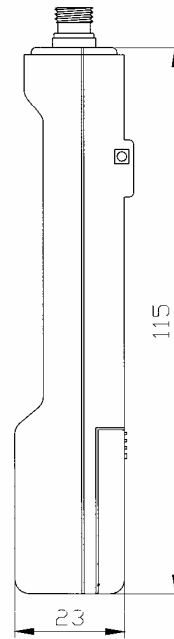
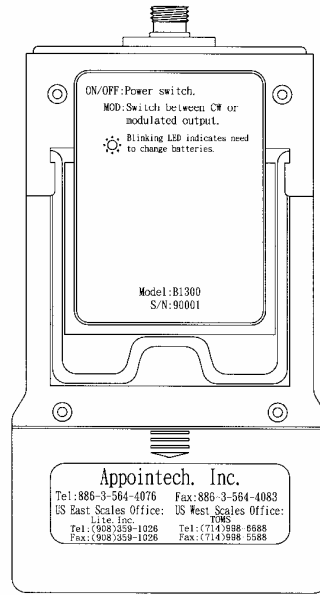
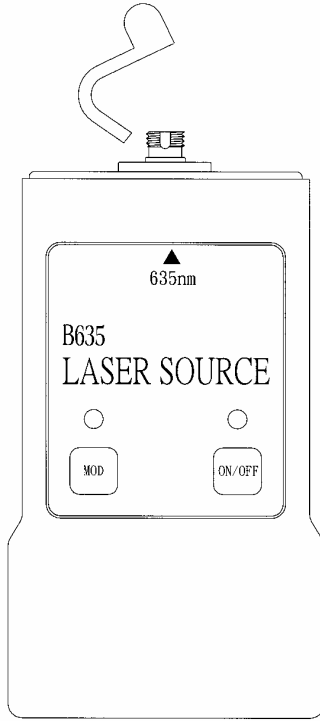
### Ordering information

- 1 for AC 110V electrical power supply
- 2 for AC 220V electrical power supply
- 3 for 2AA alkaline battery supply



Connector type  
SC, FC, ST,  
Or Universal UV

# B635 LD Light Source



**B635 LD Light Source**