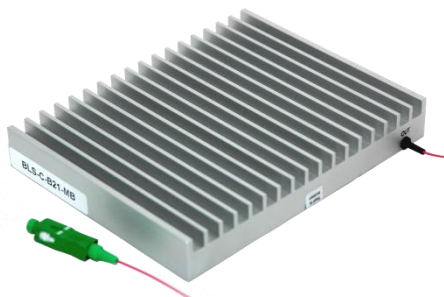


## Broadband Light Source C-band BLS OFB-BCM Series



The LiComm OFB-BCM series have been designed to provide very stable output power using the ASE (Amplified Spontaneous Emission) of Erbium Doped Fiber. The OFB-BCM series offer provide very stable optical output power over a wide operating temperature range, with significantly lower power consumption. They are internally supported with output isolators for system stability and optimum performance. This includes photodiodes for monitoring the optical output power through tap couplers. The OFB-BCM series offer versatile functions. Output power selection and operational mode selection (APC, ACC, ALS) are controlled by RS232. The output power selectable function eliminates the need of inserting an external attenuator to adjust the input range for the next stage in the system.

### Features

- High saturation output power up to 20dBm
- Selectable output power
- Wide operating wavelength range
- Wide flat wavelength range
- Very stable spectral output power
- Significantly low power consumption
- Status monitor w/RS232C
- Single 5.0V power supply
- Automatic Power Control(APC), Automatic Laser Shutdown(ALS)

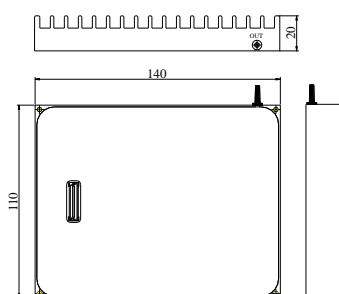
### Applications

- Optical communication system
- Optical measurement system
- Optical sensing system
- Optical component spectral test
- System compliance test
- Optical fiber characterization test

## Broadband Light Source

# C-band BLS

### Mechanical Dimension (110 X 140 X 20mm)



### Optical Characteristics

Parameter	Symbol	OFB-BCM	Unit
Wavelength range (@-10dBm/nm)	$\lambda$	1528 ~ 1563	nm
Total output power	$P_{OUT}$	20	dBm
Output power stability(1)	PS	0.02	dB
Spectral power stability(2)	SS	0.2	dB
Spectrum flatness(3)	SF	3	dB
Output isolation	ISO	30	dB

(1) @23 °C ± 3 °C , after 1hour warming up

(2) @23 °C ± 3 °C , after 1hour warming up

(3) @Output : 20dBm, Wavelength Range : 1529 ~ 1563nm

### Electric & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	5V
Interface	RS232
Alarm	TTL
Operating temperature	0 ~ 65 °C
Storage temperature	- 40 ~ 85 °C
Storage humidity	0 ~ 95% R.H
Power consumption	20W

\*At maximum output power, at 25 °C

### Ordering Information

OFB - BCM - XX<sub>1</sub>AP

XX<sub>1</sub> : Output Power (dBm)

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