# C++ Band Broadband ASE Light Source

**2023 V1**

For customized projects please Contact us:

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**The C++ Band ASE Broadband Light Source** is a high-performance light source with a wider spectral range and spectral flatness better than 2.5dB.

It is output via single-mode fiber or polarization-maintaining fiber and is suitable for applications such as fiber sensing. This light source also has pigtail interface type and pigtail type optional, the operating temperature range is -5~55℃, the operating humidity is 0~70%, the storage humidity is -20~65℃.

In general, the C++ band ASE broadband light source is a high-performance, versatile light source with wide spectrum, high power, good stability and other advantages, which is very suitable for fiber sensing and other optical applications.

## Key Features

- Flat Spectrum
- Power Adjustable
- A Wider Spectral Range

## Applications

- Optical Fiber Sensing
- Medical Imaging
- Production Test

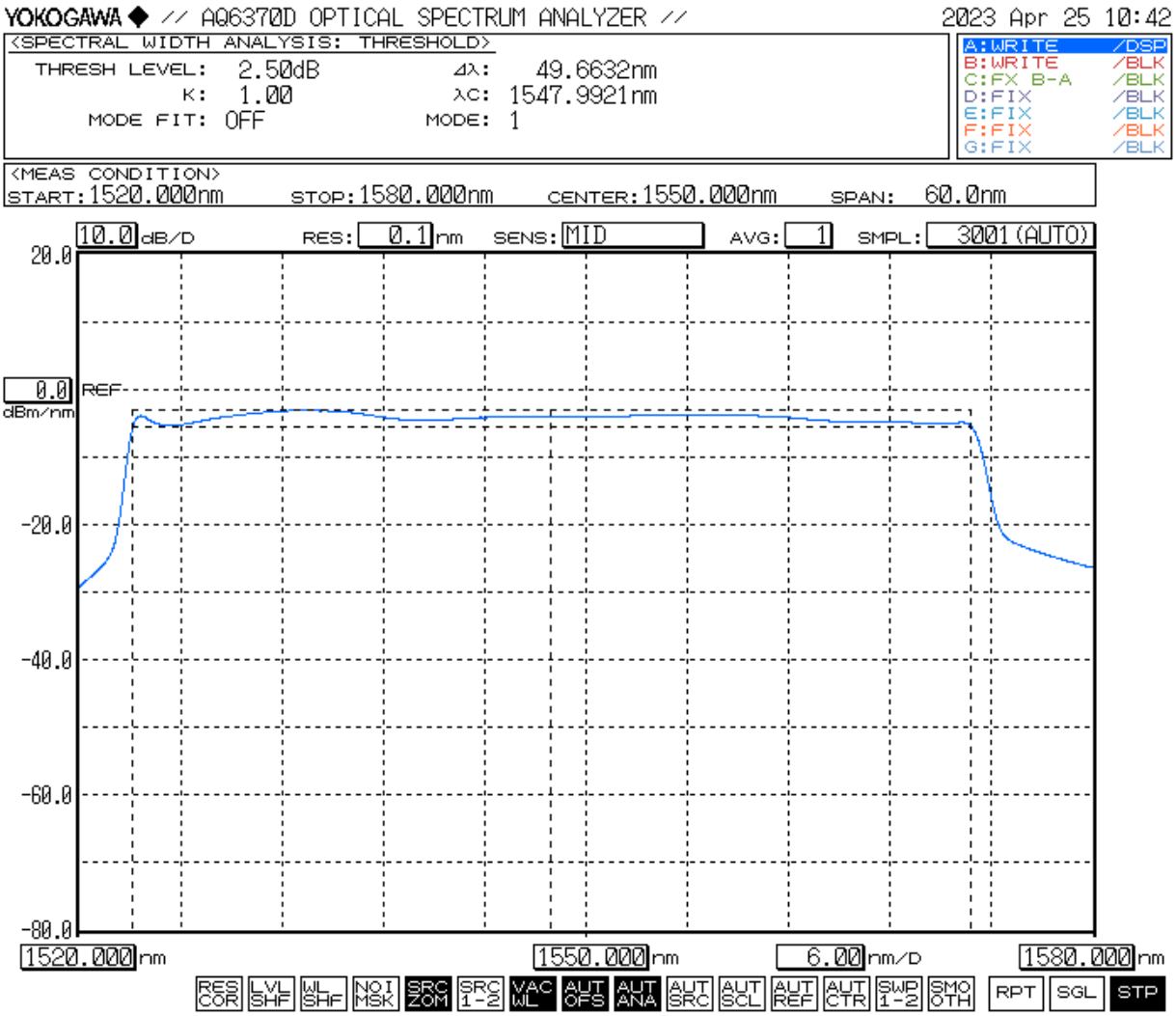
## Specification

| Optical Parameters | Unit | Typical Value | | Remarks |
|---|---|---|---|---|
| Spectral Range | nm | 1524~1572 | | 2.5dB Range |
| Output Optical Power | mW | 10/20/50/100/200 | | |
| Power Djustable (Optional) | — | 10%~100% | | Spectral Flatness Maintenance |
| Spectral Flatness | dB | 2.5(Typical) | | |
| Output Isolation | dB | >35 | | |
| Short-term Stability (15 minutes) | dB | ≤ ±0.02 | | Equivalent ≤±0.5% |
| Long-term Stability (8 hours) | dB | ≤ ±0.05 | | Equivalent ≤±1.2% |
| Polarization Extinction Ratio PER | dB | ≤ 0.2 | ≥23 | |
| Optical Fiber& Connnector | — | SMF-28 | PM1550 | FC/APC |

| General Parameters | Desktop Module | Module |
|---|---|---|
| Control Function | Keystroke | RS232 Serial Port Communication |
| Remote Control Port | Optional | DB9 Female |
| Power Supply | 100~240V AC, <30W | 5V DC, <15W |
| Dimensions | 260(W)×280(D)×120(H)mm | 125(W)x150(D)x31.5(H)mm |
| Operating Temperature | -5~+35°C | |
| Operating Humidity | 0~70% | |

| Ordering Information/Product Code | | | | | |
|---|---|---|---|---|---|
| ASE | Spectral Range | Saturation Output Power (mW) | * Power Djustable (Optional) | Fiber Type | Packaging |
| | C++ | 10/20/50/100/200 | *T | SM= SMF-28<br>PM=PM1550 | M=Module<br>B=Table Model |

## Test Data

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