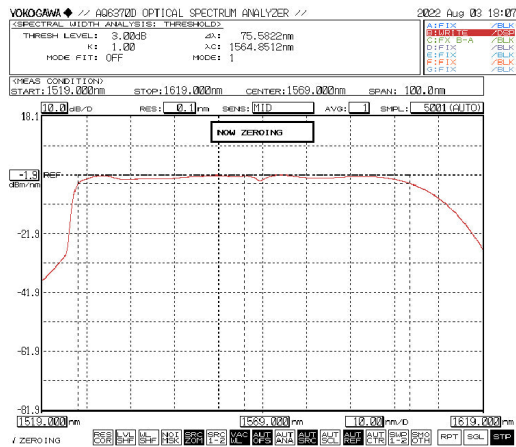


# C+L band ASE broadband light source

## ASE / SLD BROADBAND SOURCES



The fiber ASE broadband light source is an incoherent light source. It is spontaneous emission generated by a semiconductor laser pumped erbium-doped silica fiber. At the same time, spectral flattening technology is introduced to achieve broadband spectrum flattening. The wavelength of the light source covers the C+L band, and the spectral flatness is better than 3dB. It is output through single-mode fiber or polarization maintaining fiber, which is suitable for applications such as fiber sensing.

### Specifications

Parameter	Specification
Spectral range (nm)	1528~1603
Output optical power (mW)	10/20/50/100/200
Power adjustment range ( optional Function )	10%~100%
Spectral flatness * (dB)	≤ 3
Output isolation (dB)	>35
Short-term stability (15 minutes) (dB)	≤ ±0.02
Long-term stability (8 hours) (dB)	≤ ±0.05
Polarization extinction ratio PER (dB)	≥23
Optical fibers and connectors	PM1550

\* Spectral range: ≥75nm@3dB, C+L band

\* Power adjustment range ( optional Function ): Power adjustable and maintained spectral flatness

\* short-term stability (15 minutes): equivalent ≤±0.5%

\* long-term stability (8 hours): equivalent ≤±1.2%

\* Optical fibers and connectors: FC/APC

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.