

# 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 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)	1567~1603 @2dB
Output optical power (mW)	10/20/50/100/200
Power adjustment range ( optional Function )	10%~100%
Spectral flatness (dB)	≤ 2 (Typ ical )
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
Pigtail And joint type	PM1550

\* Spectral range: 1565~1610nm@10dB

\* Power adjustment range ( optional Function ): spectral flatness maintain

\* short-term stability (15 minutes): equivalent  $\leq \pm 0.5\%$

\* long-term stability (8 hours): equivalent  $\leq \pm 1.2\%$

\* pigtail And joint type: FC/APC

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