ASE Series Broadband Optical Sources

Test Light Sources

Amplified spontaneous emission provides broadband illumination for fiber and component characterization. Select the spectral band and output configuration for the measurement.



Technical specifications

1 µm broadband source

Wavelength range (nm)	1030 to 1090 (60 nm@10 dB)
Output power (mW)	10 / 20 / 30 / 100 / 200
Spectral flatness (dB)	10
Power adjustment range (%)	10 to 100
Output isolation (dB)	45
Short-term stability 15min (dB)	≤0.02
Long-term stability 8h (dB)	≤0.05
Pigtail fiber type	HI-1060 Single-mode Optical fiber

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Technical specifications

ASE-1060 configuration

Operating wavelength range (nm)	1035 to 1085
Output power (mW)	≤20
Flatness (dB)	≤8
Power stability @15min (dBm)	±0.01 (Typical)/ ±0.02 (Maximum)
Power stability @8h (dBm)	±0.05 (Typical)/ ±0.1 (Maximum)
Return loss (dB)	≥45
Isolation (dB)	≥60
TEC Stability (°C)	±0.1 to ±0.2

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Technical specifications

Multiband source options

Operating wavelength (nm)	C 1525 to 1565 / L 1570 to 1610 / C+L 1525 to 1610 / 1060 1030 to 1090
Output power (dBm)	10 / 13 / 17 / 23
Power spectral density (dBm)	-20 to -2
Power stability 15min@23 °C (%)	2.0 to 5.0 (Typical 3.0)
Power stability 8h@23 °C (dB)	0.01 to 0.02
3 dB Spectral width (nm)	37 to 42 (Typical 40)
Spectral flatness (dB)	1.5 to 2
Overall dimensions L×W×H	320×220×90 mm (Benchtop)/ 90×70×18 mm (Module)