

IntelliGain[®] Broadband ASE Light Sources

BaySpec's **IntelliGain[®]** Broadband ASE Light Sources are based on amplified spontaneous emission in erbium-doped fibers and are developed using our proprietary EDFA technology. These light sources provide superior optical output to the conventional LED sources over a broad spectral range (1525 - 1605 nm). Different power levels and multi-output options are available and suitable for a variety of different applications, providing cost effective solutions to the market.

Features:

- High output power
- High spectral stability
- Non-polarized light output
- Low power consumption
- Compact size

Applications:

- Optical component spectral tests
- DWDM system and component tests
- Optical measurement systems
- Optical sensing



IntelliGain[®] Broadband ASE Light Source Specifications

Parameter	Unit	C-Band Normal	C-Band Flat-Top	C+L Band Normal	Note
Wavelength Range	nm	1525 - 1565	1525 - 1565	1525 - 1605	
Maximum Output Power	dBm	> 16	> 11	> 16	
Spectral Density	dBm/nm	> -10	> -10	> -17	
Power Stability	dB	< 0.03	< 0.03	< 0.03	After 1 hour warming up
Power Supply	V	100 - 240	100 - 240	100 - 240	
Power Consumption	W	< 10	< 10	< 12	
Operating Temperature	°C	0 to 40	0 to 40	0 to 40	
Storage Temperature	°C	-40 to 80	-40 to 80	-40 to 80	
Optical Fiber	-	SMF-28	SMF-28	SMF-28	
Optical Connector	-	FC/PC	FC/PC	FC/PC	Customer specify
Dimension	mm	212×88×203			OEM