

ASE BROADBAND LIGHT SOURCE

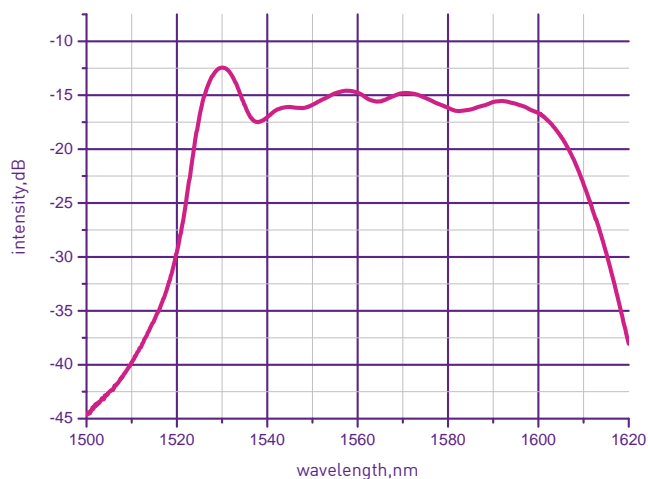
WAVELENGTH REGION – C + L-BAND

ARTICLE Er-BBLS-14-CL-X

ASE (Amplified spontaneous emission) broadband light source of incoherent light, with low spectral non-uniformity and high spectral intensity. Availability of integrated optical attenuator allows you to change the output power level, while maintaining the spectral characteristic. Monitoring and control of operating parameters is carried out by the microcontroller.



Typical spectrum



Applications

- ❖ systems based on EDFA fiber amplifiers;
- ❖ fiber gyroscopes;
- ❖ measuring systems based on FBG sensors.

LIGHT SOURCE CHARACTERISTICS		Er-BBLS-14-CL-X
Output optical power, dBm		11
Spectral band, nm		1525 ÷ 1600
Spectral non-uniformity, dB		< 7
Stability of output power at 25°C	1 hour, dB	0.02
	8 hours, dB	± 0.05
Polarization type		depolarized
Mode structure		SM
Output connector type		on request
Supply voltage, V		5
Dimensions (L x W x H), mm		120 x 100 x 35
Weight, kg		< 0.5
Operating temperature, °C		0 ÷ +45