

ASE BROADBAND LIGHT SOURCE

WAVELENGTH REGION - C-BAND

ARTICLE Er-BBLS-35-C-X

ASE (Amplified spontaneous emission) broadband light source of incoherent light, with insignificant spectral non-uniformity and high spectral intensity.

Different models of the light source can be manufactured in an enclosure with a digital display. Operation monitoring and control of the source is carried out by buttons on the front panel or through remote access via RS232.

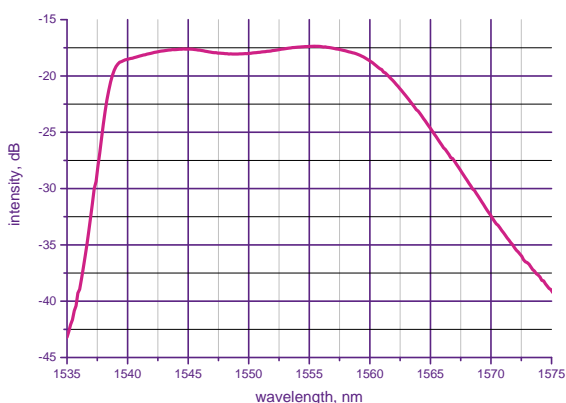
Three models are available with the following configurations:

- ❖ **Er-BBLS-35-C-X** – without output power monitoring and laser diode current control;
- ❖ **Er-BBLS-35-C-PD-X** – with output power monitoring;
- ❖ **Er-BBLS-35-C-PDA-X** – with output power monitoring and laser diode current control.

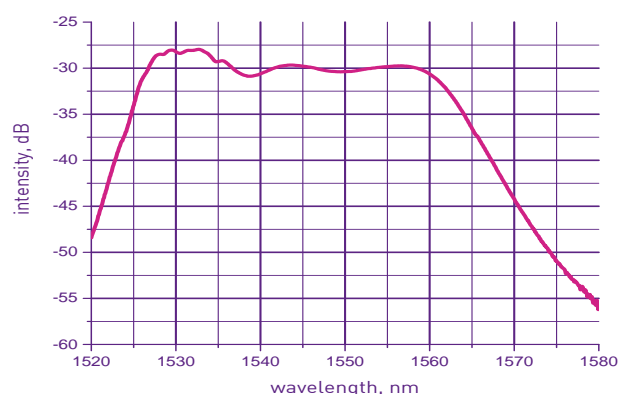


Typical spectrum

Er-BBLS-35-C-X



Er-BBLS-35-CF-X



LIGHT SOURCE CHARACTERISTICS	Er-BBLS-35-C-X	Er-BBLS-35-CF-X
Output optical power, dBm	< 17	< 15
Stability of output power at 25°C, dB (1 our)	0.02	0.02
Spectral band, nm	1538 ÷ 1565	1528 ÷ 1565
Spectral non-uniformity, dB	< 2	< 3
Polarization type	depolarized	depolarized
Output connector type	on request	on request
Supply voltage, V	5	5
Dimensions (L x W x H), mm	120 x 100 x 35	120 x 100 x 35
Weight, kg	< 0.5	< 0.5
Operating temperature, °C	0 ÷ +45	0 ÷ +45