

Broadband ASE Source, 1 μ m, 100mW, Single Polarization OEM module

Model no.: BBS-1 μ m-100-L



Description

This 1 μ m Broadband ASE Source is based on amplified spontaneous emission from a semiconductor diode pumped Ytterbium doped fiber. It delivers a high spectral density output in the 1 μ m wavelength range and a stable polarized output. The unit has internal single-stage output isolator.

It includes drive and control electronics. Upon request, it allows for external Enable/Disable and external control of the pump laser diode current.

Optical parameters (at 25°C)

Parameter	Specification	Unit
Output power	> 100	mW
Output power stability	< ± 0.2	dB
Center wavelength	in range 1045 – 1065	nm
Spectral width	@ 3dB	> 25
	@ 10dB	> 40
Output polarization	linear	-
Polarization extinction ratio	> 20	dB

Optical connections

Fiber type	PM980 or equivalent
Connector type	FC/APC, key width 2.02 mm

Electrical parameters (at 25°C)

Parameter	Specification	Unit
Power supply	+5	V
Power consumption	< 15	W

Mechanical and environmental specifications

Parameter	Specification	Unit
Operating case temperature	5 – 55	C
Storage temperature	-5 – 75	C
Humidity	0 - 95, Non-condensing	%
Dimensions (WxDxH)	120 x 90 x 25	mm

Typical optical emission spectrum

