ASE Wide Band Light source

Applications

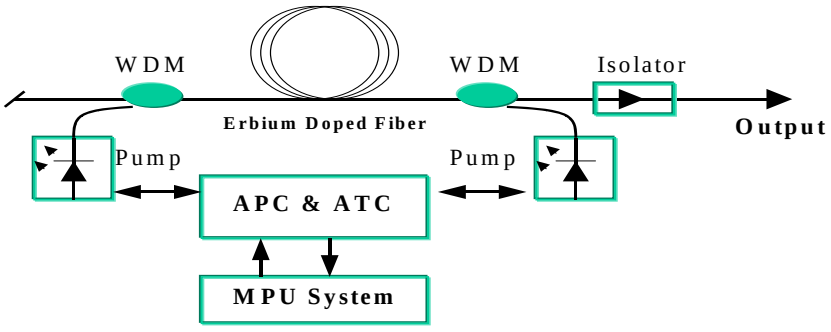
- Fiber Amplifier test and manufacture
- Optic passive components test and manufacture
- Optical Fiber sensors
- WDM test
- Lab testing

Features

- Bechtop、Module、1U Rack available
- Broad band high power output
- C+L Band is available
- Ultra high flatness in spectra
- Micro-process unit control
- Intelligent for operation
- High stability and reliability
- LCD display status
- High precise APC and ATC circuit

Description

The ASE (Amplified spontaneous emitting) optical source is designed as a lab manufacture testing equipment Erbium doped fiber is used as the gain medium and is pumped by high quality pump adjusting APC, the output power can be tunable in some range. Operation and remote control is very easy by Micro-process unit.



Specifications

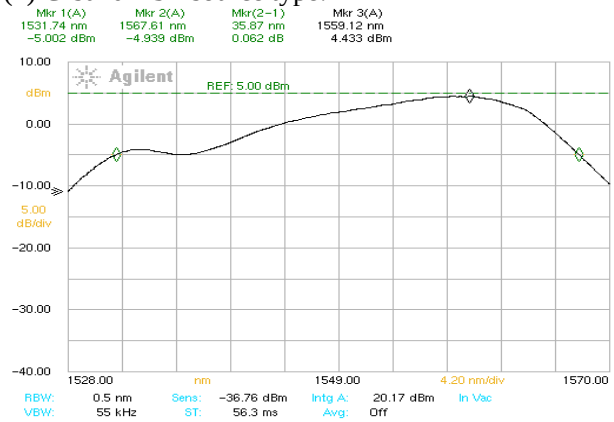
Parameter	Symbol	Min	Type	Max	Unit
Optical output power	Po	-----	------	12	dBm
Operating wavelength	λ_C *	1525	------	1565	nm
	λ_L **	1570	------	1605	nm
	λ_{C+L} ***	1525	-------	1610	nm
Out power stability（in 15minutes）	Δpo_15m	-----	±0.01	±0.03	dB

Out power stability（in 8 hours）	Δ po_8h	-----	±0.05	±0.1	dB
Spectrum density		-20			dBm/nm
Flatness	FL ****	0.5	-------	12	dB
Return loss	RL	45	-------	--------	dB
TEC stability	Δ Tl	------	±0.1	±0.2	℃
TEC operating range	Tl	20	25	30	℃
Work voltage	V	170	220	260	VAC
Power consumption	Pc	------	------	15	W
Operating temperature	Tw	0	-------	50	℃
Storage temperature	Ts	-40	-------	80	℃

Note：
*C band, customer optional
**L band, customer optional
***C + L band, customer optional
****Customer optional（w/ or w/o GFF）
SM pigtail with connector，wavelength：0.96~1.68μm ，Max power：400mW

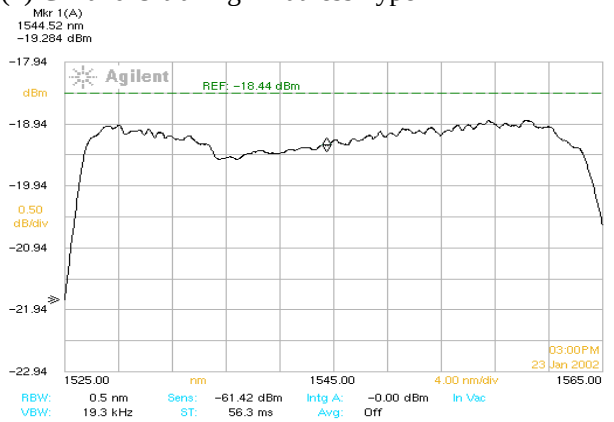
Example spectrum

(1) C-band ASE source type:



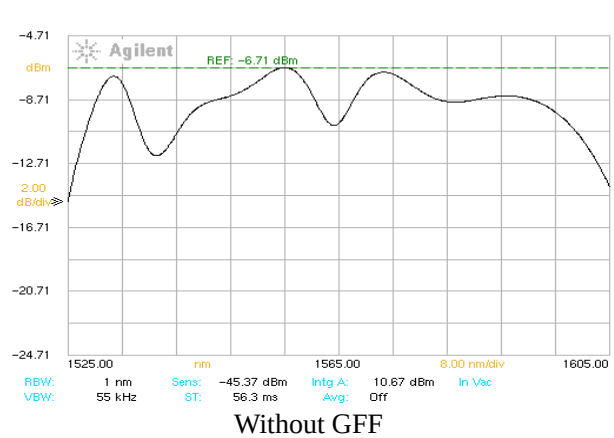
*without GFF

(2) C-Band Ultra High Flatness Type

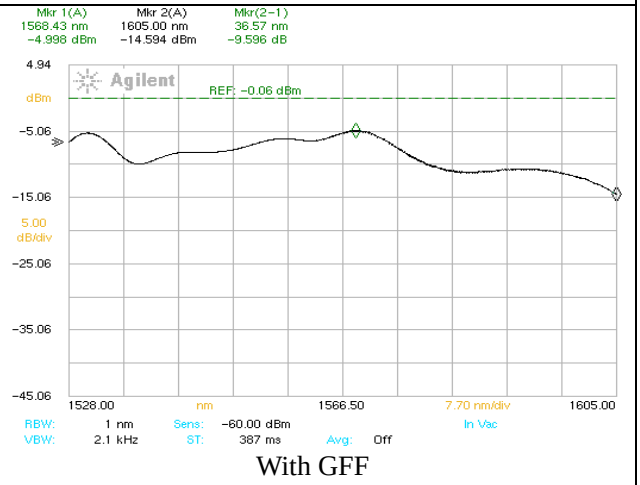


*with GFF

(3) C＋L-Band ASE Source Type

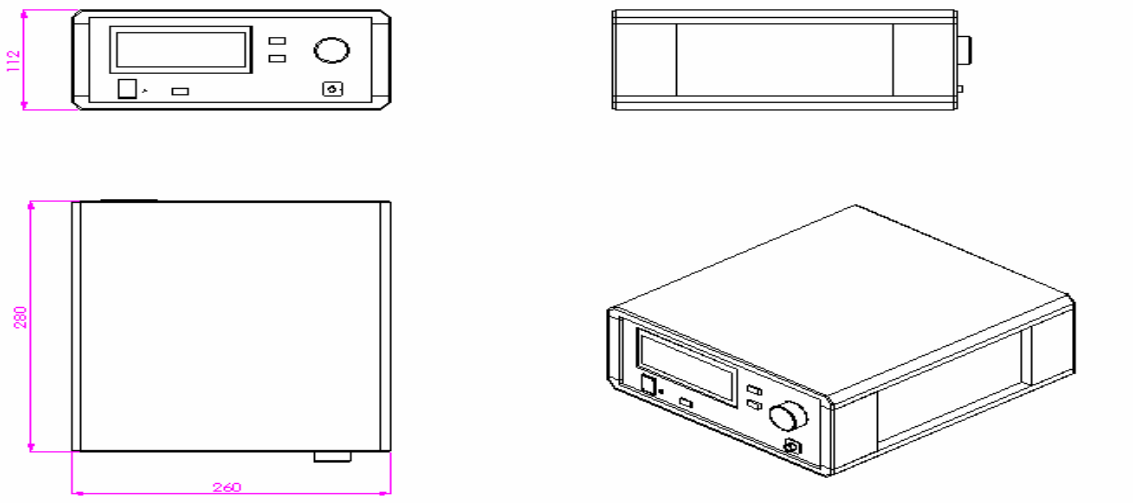


Without GFF



With GFF

Package (Desktop in mm)



User Safety

The laser light emitted from this device is invisible and may be harmful to the human eye. Avoid looking into the output fiber when the device is in operation. The use of optical instruments with this product will increase eye hazard. Proper laser safety eyewear must be worn during operation. Improper use and failure to follow specified use may result in hazardous radiation exposure.

Warranty

All light source are covered by a limited warranty to ensure total customer satisfaction. Please check with your sales representative for complete details. Contact us today for ordering information. Specifications are subject to change without notice.