

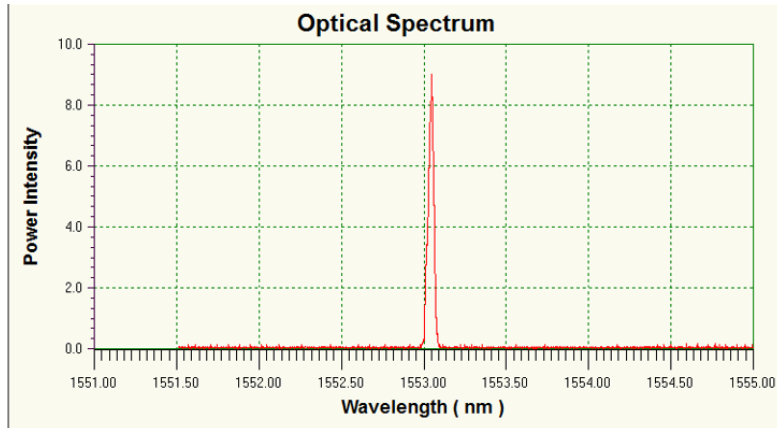
AEO DFBLS1550-5 Precise Fiber Coupled Laser Source Specification

Specifications				
Optical Parameters	Minimum	Typical	Maximum	note
Wavelength	1550 nm	1553.07 nm	1554.0 nm	
Spectral line width	-	0.1nm	0.5nm	
Wavelength tunable range		0.1 nm	2.5 nm	
Laser light output power	0	5mw	5.5 mw	
Light output stability		5 ±0.06mw / 1 hour after power on 2 minutes		
Adjustment range	0	5 mw	5.5mw	
Light tune resolution		0.1 mw		
Laser TEC stability		Setting in 25 °C TEC Stability : 25 °C ± 0.008°C / 1 hour		
TEC Set Point Resolution		±0.1 °C		
Laser temperature set range	10 ± 1 °C	25 .00 °C	35 ± 1 °C	
Optical	Minimum	Typical	Maximum	note
Fiber type		Single mode		
Laser type		DFB		
Fiber coupler connector		FC/PC		
Output Display		mW/dbm		

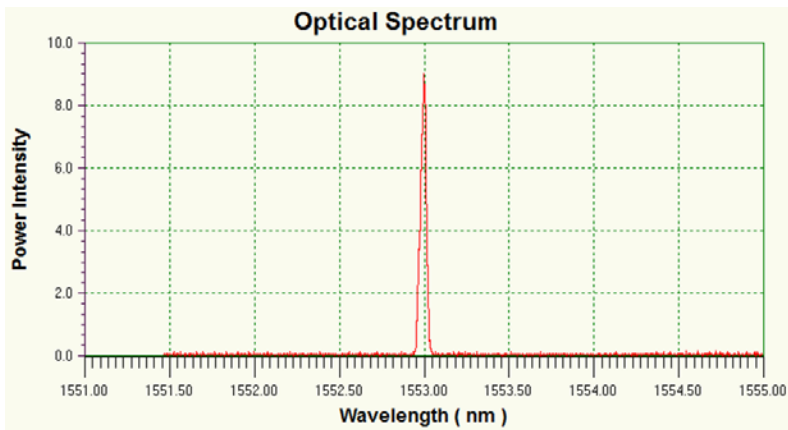
Specifications				
Electrical Parameters	Minimum	Typical	Maximum	note
AC Input		115/230 VAC 50 - 60 Hz		*Jumper selection
Power Consumption		5 W	12 w	
Communication Interface		RS232		**optional
Communication protocols		ASCII code		**optional
Inter lock		External Switch		**optional
External modulation		sinusoidal wave AC 0~1V / 0~1000hz		**optional
Reliability				
Storage Temperature		-10~70 °C		
Operating Temperature		10~50 °C		
Mechanical parameters				
Dimension		8.661" L x 6.496" W (219.99mm x 165.00mm) X 2.028" (51.51mm)		
Enclosures material		Metal Aluminum		
Weight		1.8 KG		

* default : Internal AC Jumper set for 110V/60hz, if AC is 220V, need ask on order.

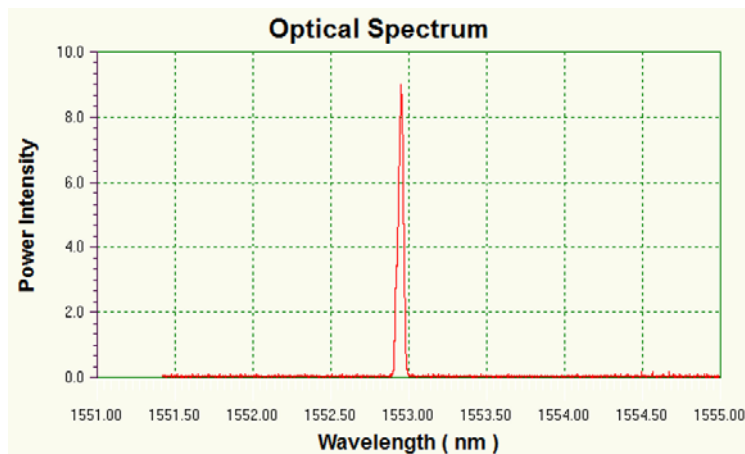
** this function is available only request on order.



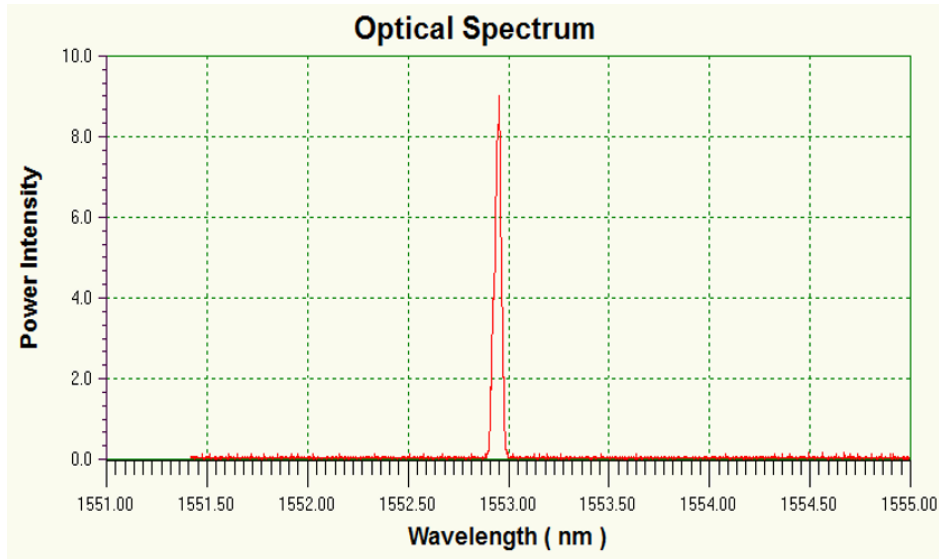
Central Wavelength = 1553.07nm Laser Source Temperature set in 25.00°C



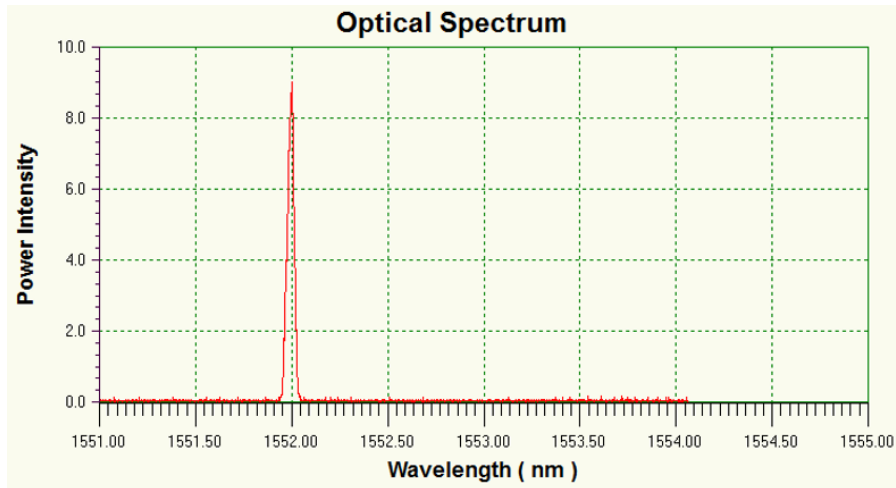
Central Wavelength = 1552.97 nm Laser Source Temperature set in 24.00°C



Central Wavelength=1552.87 nm Laser Source Temperature set in 23.00°C



Central Wavelength = 1552.85nm Laser Source Temperature set in 22.05°C



Central Wavelength = 1552.0nm Laser Source Temperature set in 14.00°C