

AEO DFBLS1550-9 Precise Fiber Coupled Laser Source Specification

Specifications				
Optical Parameters	Minimum	Typical	Maximum	
Wavelength	1550 nm	1552.0 nm	1553.0 nm	
Spectral line width	0.1nm	0.1nm	0.2nm	
Laser light output power	0	9mw	9.5 mw	
Light output stability		9.1 ±0.06mw / 1 hour after power on 2 minutes		
Adjustment range	0	9 mw	9mw	
Laser TEC stability		Setting in 25 °C TEC Stability : 25 °C ± 0.01°C / 1 hour		
Optical	Minimum	Typical	Maximum	note
Fiber type		Single mode		
Laser type		DFB		
Fiber coupler connector		FC/PC		
Output Display		mW/dbm		
Electrical Parameters				
AC Input		115/230 VAC 50 - 60 Hz		*Jumper selection
Power Consumption		11 W	12 w	
Communication Interface		RS232		**optional

Communication protocols		ASCII code		**optional
Inter lock		External Switch		**optional
Power tune resolution		0.1 mw		
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.