

Narrow-Linewidth Tunable Laser

TLG-200

- Affordable narrow-linewidth (<100kHz) tunable laser
- 1MHz wavelength tuning resolution
- Extended C/L-band compatibility

1550nm	Narrow Line-Width	Max. 4ch	Remote	Module Possible
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Specifications

Parameter	Type	Variable tuning Laser	Unit
Channel Number	Module	1 or 2	
	Benchtop	1 to 4	
Output Power Range	C-band	+6 to +15.5	dBm
	L-band	+6 to +13	dBm
Optical Power Accuracy		±1	dB
Wavelength Range ¹	C-band	1527.60 to 1565.50	nm
	L-band	1570.01 to 1608.76	nm
Frequency Range ¹	C-band	191.50 to 196.25	THz
	L-band	186.35 to 190.95	THz
Channel Spacing		Continuous	
Frequency Fine Tune Resolution		1	MHz
Frequency Fine Tune Range		±6	GHz
Frequency Accuracy		±2.5	GHz
Linewidth (FWHM), instantaneous		<100	kHz
Side Mode Suppression Ratio (SMSR)		>40	dB
RIN		-145	dB/Hz
Polarization Extinction Ratio (PER)		>20	dB
Warm-up Time		20	s
Optical Fiber		PMF	
Optical Connector		FC or SC, SPC or APC	
PC Interface	Module	RS-232	
	Benchtop	USB, GPIB	
Power Supply	Module	DC 9V, 1A	
	Benchtop	AC 100-240 (50/60Hz)	Vac
Dimensions (W x H x D)	Module	150 x 43.5 x 235	mm
	Benchtop	236 x 88 x 380	mm
Weight	Module	1	kg
	Benchtop	5	kg

1. Lasers with extended wavelength ranges also available. C-band: 1520-1580nm (189.75-197.20THz). L-band: 1563-1623nm (184.80-191.80THz).
 Note: The above specifications may change without prior notice.

Ordering Information

TLG-200-S- - -

ch1	ch2	ch3	ch4
Wavelength			
C	C-band		
L	L-band		
N	N/A		
Package Type			
M	Module		
B	Benchtop		
Connector Type			
FS	FC/SPC	SS	SC/SPC
FA	FC/APC	SA	SC/APC

