Multi-Channel Narrow-Linewidth Tunable Laser

TLG-320

- Slot configuration allows future channel expansion
- Mainframes can be cascaded to accomodate over 160ch
- Firmware memorizes “last setting” for hassle-free start-up

1550nm | Narrow Line-Width | Slot Configuration | Max. 48ch | Remote





Specification

Mainframe			unit
Slot capacity		12	units
Max. laser module capacity		48	channels
PC interface		USB, GPIB, Ethernet	
Laser safety		Front panel key-lock, software based interlock	
Power supply		AC 100-240 (50 / 60 Hz)	V
Power consumption		< 650	W
Dimension (W x H x D)		448 x 177 x 540	mm
Weight		< 16	kg

Laser unit			unit
Output power range	C-band	+9.5 to +15.5	dBm
	L-band	+9.5 to +13.5	dBm
Optical power accuracy		+/-1	dB
Wavelength range[1]	C-band	1528.90 to 1567.21	nm
	L-band	1570.01 to 1608.76	nm
Frequency range[1]	C-band	191.29 to 196.09	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)		> 18	dB
Warm-up time		30	s
Optical fiber		PMF	
Optical connector		FC or SC, SPC or APC	

1. Please inquire for L-band laser.
The above specifications may change without prior notice.

Ordering Information

Mainframe

TLG - 310M - 12

Laser Unit

TLG - 320 - S - □□□□ - □□

ch1 ch2 ch3 ch4

Wavelength	Connector Type	
C : C-band	FS : FC/SPC	SS : SC/SPC
L : L-band	FA : FC/APC	SA : SC/APC
N : N/A		



Sales: contact@cybel-llc.com | Web: www.cybel-llc.com | 62 Highland Ave., Bethlehem, PA 18017, USA | Tel: +1 (610) 691-7012