



ROF -TLS series

Tunable laser light source

Product description

The **ROF -TLS tunable laser light source** utilizes high performance DFB laser, and a tunable laser light source with a fixed wavelength interval (50 GHz) and its tunable range is over 40nm. The product's wavelength internal locking function ensures that the output wavelength or frequency is in DWDM Channel on the ITU grid. It has high output power (10mW), narrow linewidth、 high wavelength accuracy、 good power stability and so on. It can achieve remote control of the instrument, being mainly used in WDM device testing、 optical fiber sensing、 PMD and PDL measurement and optical coherence tomography (OCT) and other fields.

Features

- Wavelength tuning range
- Output power 10mw
- Narrow line width
- Internal locked of wavelength
- Remote control is available

Applications

- WDM device testing
- Optical fiber sensing
- PMD and PDL testing
- OCT

Parameter parameters

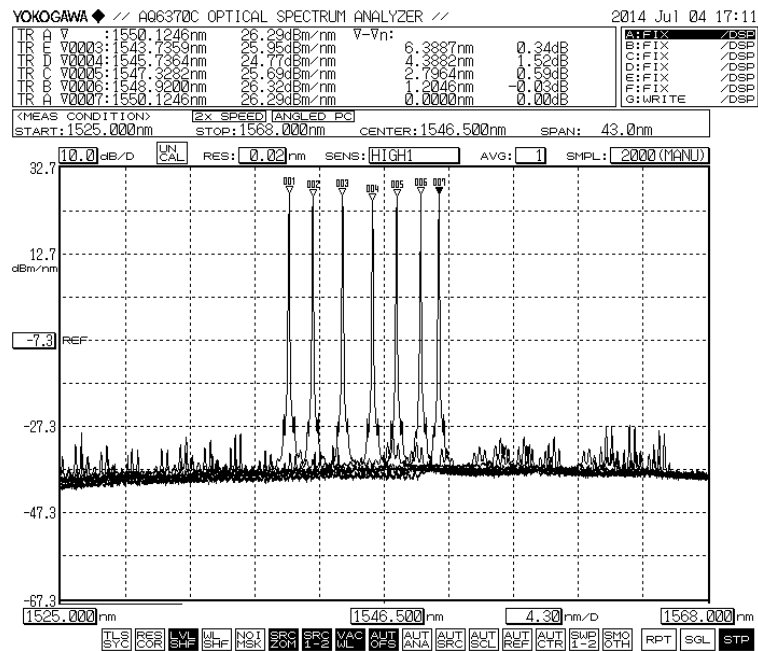
Parameter		Symbol	Min	Typ	Max	Unit
Wavelength	C-band	l	1524		1565	nm
	L-band	l	1560		1620	
Wavelength tuning range			40			nm
Channel spacing				50		GHz
Wavelength conversion speed				2		s
Wavelength accuracy			-1.5		1.5	GHz
Output optical power		Po	10			dBm
3dB spectral width		DI*		3	10	MHz
SMSR		SMSR	40	50		dB

Polarization extinction ratio	PEX	20			dB
Relative noise intensity	RIN		-145	-135	dB/Hz
Power stability **	PSS			±0.005	dB/5min
	PLS			±0.01	dB/8h
Output isolation	ISO	30	35		dB
Specification		Module			
Dimensions L x W x H		320×220×90 mm			
Power supply		AC 220V ± 10% 30W			
Output optical fiber		PMF			
Optical connector		FC/PC FC/APC or user specified			

Limit conditions

Parameter	Symbol	Unit	Min	Max
Operating temperature	Top	°C	-5	55
Storage temperature	Tst	°C	-40	85
Humidity	RH	%	5	90

Typical spectrum



Ordering information

ROF	TLS	X	10	P	XX
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	Tunable laser light source	C---1525~1565nm L---1560~1620nm	Power : 10---10mW	Pigtail fiber : P--- PMF	Optical connector : FP --- FC/PC FA--- FC/APC SP--user specified
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*please contact our seller if you have special requirement