DFBL-1310/1550-10

1310/1550nm DFB Light source

GT LASERS DFBL series is a high linearity DFB CW light source used for modulating bandwidths<3GHz. It is mainly used for testing optical accessories and fiber optic communication equipment, simulating modulation bandwidths<3GHz, and developing and applying digital signal transmission.

DFBL-1310/1550-10 working wavelength: 1310nm，1550nm.

DFBL-1310/1550-10:C/L-Band ITU-T G.692 standard wavelength tunable.

DFBL-1550-10 has two types of enclosures to meet the requirements of different customers:

1. 2D type: desktop (portable), suitable for laboratory and on-site use.
2. 1U rack: suitable for laboratories and OEM.



PRODUCT FEATURE

- High linearity CW DFB Laser
- High side mode suppression ratio
- ITU-T standard wavelength
- RS232 monitor instruction
- Multiple outline configuration
- Perfect cost-performance in the inustry

MAIN APPLICATION

- Optical device test (DWDM, ISO, PIOC, FBG)
- Fiber optic communication device test
- Fiber Optical Sensor area application
- <3GHz signal transmission research and application
- Laboratory

TECHNIQUE INDEX

Performance		Unit	Min.	Typ.	Max.	Remarks
Optic Feature	Wavelength	(nm)	1300	1310	1320	
			1540	1550	1560	
			1527		1610	
	Working Central Wavelength	(nm)	ITU Grid			
	Output Power	(mW)	6	10		
	Linewidth	(MHz)		1		FWHM(△λ)
	Side Mode Suppression Ratio	(dB)		45		SMSR
	Equivalent Noise Intensity	(dB/Hz)		160		RIN (20~1000MHz)
	Return Loss	(dB)		55		
	Optical Fiber Connector		FC/APC			Support for I.E. and SNMP
General Feature	Network Management Interface		RJ45, R232			Optional -48VDC (30~60VDC)
	Power Supply	(V)	90~265city Power			Single power supply operation
	Power Consume	(W)	≤50			Automatic chassis temperature control
	Work Temp.	(°C)	-5~65			Support for I.E. & SNMP
	Storage Temp.	(°C)	-40~85			
	Relative Humidity	(%)	5~95			
	Size	(")	19×14.2×1.75			1U
		(mm)	279 × 356 × 89			2D