



上海量青光电技术有限公司

2nm 波长可调谐半导体激光光源



Description:

2nm Wavelength Tunable Range DFB Light Source, Central wavelength 1310nm, 1550nm, etc, Output power ≤ 20 mW, Tunable wavelength range ≤ 2 nm. OEM model is well available on customer's special request.

Applications:

Optical fiber component manufacture & test
Optical communication system test

Features:

High output power stability
High wavelength stability
Internal modulate, and external modulate
2 nm tunable range

Parameters	Unit		
Part No.	-	LQ-DFB-P-PW-SM	
Central wavelength	nm	1310	1550
Wavelength stability	pm	± 50	± 1
Tunable wavelength range	nm	< 2	
Output power	mW	20	
Output power short-term stability	dB	$\leq \pm 0.005$ dB/15 min	
Output power long-term stability	dB	$\leq \pm 0.02$ dB/8 hour	
Operating mode	-	CW	
Fiber pigtail	-	SM,PM,MM	
Output connector	-	FC/UPC or FC/APC, etc	
Operating temperature	$^{\circ}\text{C}$	0 ~ 40	
Storage temperature	$^{\circ}\text{C}$	-20 ~ 70	
RS232 connector		Available for external modulate	
Power supply	-	AC 110/220V $\pm 10\%$, 50Hz, 20W	
Dimensions (L \times W \times H)	mm	90 \times 70 \times 19 Module; 320 \times 220 \times 90 Benchtop	

Remark: Stability is tested at room temperature $25 \pm 2^{\circ}\text{C}$ after pre-heating 30 minutes.

1. Test condition: fixed temperature, CW.
2. Test condition: temperature variation $\pm 2^{\circ}\text{C}$, CW.

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Order Information:

LQ-DFB-P-PW-SM

P:Package, B-Benchtop, M-Module

PW: Output power in mW, example:1-1mW, 10-10mW,20-20mW,etc

Fiber type:S=SM,P=PM,M=MM

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