

NEW

Tunable Laser Source

AQ4321A/AQ4321D

The ideal Tunable Laser Source
for evaluation of DWDM systems and components



General

The AQ4321 high-quality Tunable laser Source can accurately set wavelength range, accommodating various aspects of DWDM use.

High output, high SMSR, and other specifications are excellent for evaluating optical fiber amplifiers and components, DWDM systems, etc.

Features

- Wavelength range: 1480 to 1580 nm (A type)
1520 to 1620 nm (D type)
- High wavelength accuracy: ± 15 pm (± 10 pm, typ.)
- High optical output with +10dBm (typ.) (A type)
- Side mode suppression ratio: 50dB or more
- Wavelength calibration function with built in wave-length standard
- Continuous sweep

Specifications

Model	AQ4321A	AQ4321D
Wavelength range	1480 to 1580nm	1520 to 1620nm
Wavelength set resolution	0.001nm	
Absolute wavelength accuracy	± 15 pm or less (typ, ± 10 pm) ①	
Relative wavelength accuracy	± 0.01 nm (typ) ①	
Wavelength stability	± 0.01 MHz/h or less (typ)	
SMSR	50 dB or more	
Optical output level	+ 10 dBm (typ) (1550 nm)	+ 7 dBm (typ) (Peak)
	+ 7 dBm or more (1520 to 1560nm)	+ 6 dbm or more (1560 to 1600nm)
Optical output stability ②	± 0.01 dB	
Optical output reproducibility	± 0.04 dB (typ)	
Optical output level flatness ③	± 0.1 dB	± 0.1 dB ④
Wavelength sweep speed	100 nm/sec	
Available optical fiber	SMF (10/125 μ m)	
Applicable connector	FC/PC. Optical return loss: 50dB or more	
Power requirements	AC100V to 2400V, 50/60Hz	
Display	6. % inch color-LCD	
Dimensions and mass	Approx. 425(W) \times 177(H) \times 450(D), approx. 20kg	
Operation temperature	+ 10 to +35°C	
Storage temperature	- 10 to +50°C	

Notes:

CW light, at the output of 2m-long optical fiber

① At constant temperature in 20 to 30°C, optical output: maximum optical output -3 dB, at 2 θ . Sweep Fine, optical attenuation control = 1

② Constant temperature: 25°C

③ Optical output: maximum optical output -3 dB

④ At wavelength range of 1540 to 1600nm

Options

AQ9441 (SC) connector adapter

AQ9441 (ST) connector adapter

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