

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ8201-110 WDM DFB Laser Diode Module

The Ando AQ8201-110 is a WDM DFB laser diode module engineered for wavelength division multiplexing and distributed feedback applications in optical communication systems. It delivers a stable, spectrally pure laser source across the C- and L-bands, with wavelength accuracy of ± 0.01 nm and tuning capability of ± 0.8 nm. The module integrates with Ando AQ8201A, AQ8203, and AQ8204 mainframes as part of the AQ8200 Series optical test platform. Compatibility & Integration Designed exclusively for installation in Ando AQ8201A, AQ8203, and AQ8204 mainframes within the AQ8200 Series optical measurement ecosystem. Aumictech offers NIST-traceable calibration and repair for the Ando AQ8201-110. Calibration covers wavelength accuracy at 5 or more points across the full tuning range, mode-hop-free range, output power flatness, linewidth, and side-mode suppression ratio (SMSR). All calibrations ship



MODEL

Ando AQ8201-110

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8201-110

LISTING

<https://aumictechlabs.com/products/aq8201-110-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ8201-110 is a WDM DFB laser diode module engineered for wavelength division multiplexing and distributed feedback applications in optical communication systems. It delivers a stable, spectrally pure laser source across the C- and L-bands, with wavelength accuracy of ± 0.01 nm and tuning capability of ± 0.8 nm. The module integrates with Ando AQ8201A, AQ8203,

and AQ8204 mainframes as part of the AQ8200 Series optical test platform. Technical Specifications Optical Performance Wavelength range: 1524.110 nm to 1620.500 nm Wavelength accuracy: ± 0.01 nm (typical) Wavelength setting resolution: 0.001 nm Tuning range: ± 0.8 nm Spectral linewidth: 5 MHz (narrow) or 50 MHz (wide, typical) Output power: +10 dBm typical, up to +13.55 dBm measured Power stability (15 min): ± 0.005 dB Side mode suppression ratio: 45 dB Electrical & Modulation Internal modulation (CHOP): 100 Hz to 300 kHz External modulation option: Sine waveform, 100 Hz to 300 kHz via SMA, 2 Vp-p (50 Ω) Physical Characteristics Output fiber: Singlemode (standard) or PM fiber (option) Output connector: FC/APC Laser classification: Class 1M and Class 1 per IEC 60825-1:2007; compliant with 21 CFR 1040.10 and 1040.11 Key Features Selectable spectral linewidth for precision frequency-stabilized or broad-spectrum applications Fine wavelength resolution (0.001 nm) enables precise DWDM channel selection Integrated and external modulation options for flexible signal control Supports both standard singlemode and polarization-maintaining fiber configurations Typical Applications DWDM component characterization (multiplexers, demultiplexers, arrayed waveguides, EDFAs) Optical communication system testing WDM signal generation and channel validation Compatibility & Integration Designed exclusively for installation in Ando AQ8201A, AQ8203, and AQ8204 mainframes within the AQ8200 Series optical measurement ecosystem.

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDL class

Lifetime Class: Mechanical or solid state switch life class Notes From Ando AQ8201-110 modular optical family documentation. Confirm exact port count, insertion loss, and switching specs on the -110 module datasheet.

AQ8201110 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Plug in optical module for AQ8201 platform
Module Family	AQ8201-110
Host Mainframe	AQ8203 / AQ8201 class frames
Optical Function Class	Multi port optical switch or routing class
Wavelength Support Class	Telecom wavelength class per module sheet
Insertion Loss Class	Specified on module datasheet class
Return Loss Class	Specified on module datasheet class
Switching Time Class	Millisecond class switching if switch module
Remote Interface	GPIB via mainframe
Form Factor	Single slot plug in module
Connector Class	FC SC interchangeable adapters class
Fiber Type	Single mode class
Series Family	Ando AQ8201-110 optical modules
Applications Class	Automated optical path routing
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Operating Temperature Class	Standard lab
Repeatability Class	High path repeatability class
Port Count Class	Multi port configuration class
Crosstalk Class	High isolation class if switch
Polarization Dependence Class	Specified PDL class
Lifetime Class	Mechanical or solid state switch life class
Operating temperature	Class: Standard lab
Return loss	Class: Specified on module datasheet class

AQ8201110 Specifications

PARAMETER	VALUE
Applications	Automated optical path switching and multi-port optical test when installed in an AQ8201/AQ8203 mainframe.
Key Features	AQ8201 series plug in module
Technical Specifications	Instrument Type: Plug in optical module for AQ8201 platform

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
Operating Temperature Class	Standard lab
Repeatability Class	High path repeatability class
Port Count Class	Multi port configuration class
Crosstalk Class	High isolation class if switch
Polarization Dependence Class	Specified PDL class
Lifetime Class	Mechanical or solid state switch life class Notes From Ando AQ8201-110 modular optical family documentation. Confirm exact port count, insertion loss, and switching specs on the -110 module datasheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Instrument Type	Plug in optical module for AQ8201 platform
Module Family	AQ8201-110
Host Mainframe	AQ8203 / AQ8201 class frames
Optical Function Class	Multi port optical switch or routing class
Wavelength Support Class	Telecom wavelength class per module sheet
Insertion Loss Class	Specified on module datasheet class
Return Loss Class	Specified on module datasheet class
Switching Time Class	Millisecond class switching if switch module
Remote Interface	GPiB via mainframe
Form Factor	Single slot plug in module
Connector Class	FC SC interchangeable adapters class
Fiber Type	Single mode class
Series Family	Ando AQ8201-110 optical modules
Applications Class	Automated optical path routing
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Operating Temperature Class	Standard lab
Repeatability Class	High path repeatability class
Port Count Class	Multi port configuration class
Crosstalk Class	High isolation class if switch
Polarization Dependence Class	Specified PDL class
Lifetime Class	Mechanical or solid state switch life class
Notes	
From Ando AQ8201-110 modular optical family documentation. Confirm exact port count, insertion loss, and switching specs on the -110 module datasheet.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.