

Benchtop Casing

Key Features

- Tunable over full C-Band or L-Band
- Narrow linewidth < 100kHz
- High SMSR > 45dB

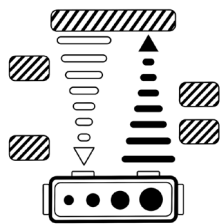


1550nm - CW

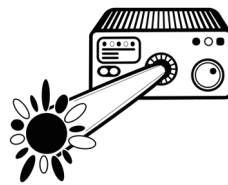
Description

One of our specialties is on custom-made specifications to match a wide range of applications of our customers. We have extensive design and production experience on this product. Please contact us to discuss your product requirements.

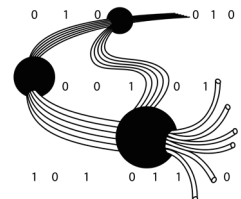
Application



■ Optical sensing



■ Optical local oscillator



■ Coherent communication



ISO 9001 : 2015
Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only.

Specifications

Model	ATL-PM-C-13-B	ATL-PM-L-13-B	ATL-PM-C-16-B	ATL-PM-L-16-B
Laser Output Power	7 dBm to 13 dBm	7 dBm to 13 dBm	10 dBm to 16 dBm	10 dBm to 16 dBm
Wavelength Tuning Range	1527.60 nm to 1565.50 nm	1570.00 nm to 1608.80 nm	1527.60 nm to 1565.50 nm	1570.00 nm to 1608.80 nm
Wavelength Tuning Resolution	0.01 nm	0.01 nm	0.01 nm	0.01 nm
Wavelength Tuning Accuracy	± 0.02 nm	± 0.02 nm	± 0.02 nm	± 0.02 nm
Power Resolution	0.1 dB	0.1 dB	0.1 dB	0.1 dB
Power Accuracy	± 1 dB	± 1 dB	± 1 dB	± 1 dB
SMSR	Typ. 50dB, Min. 40dB	Typ. 50dB, Min. 40dB	Typ. 50dB, Min. 40dB	Typ. 50dB, Min. 40dB
OSNR	Typ. 60dB, Min. 40dB	Typ. 60dB, Min. 40dB	Typ. 60dB, Min. 40dB	Typ. 60dB, Min. 40dB
Laser FWHM Linewidth	Typ. 100 kHz, Max. 200 kHz	Typ. 100 kHz, Max. 200 kHz	Typ. 100 kHz, Max. 200 kHz	Typ. 100 kHz, Max. 200 kHz

Low noise version is available upon request

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Benchtop Dimensions	260(W) x 330(D) x 120(H) mm
Control	Keylock switch, Interlock, Output Power, Wavelength
LCD Display	Output power, Wavelength
Computer Interface	RS232 (Control software & connection cable included) / Ethernet (Option)
Protection	Pump laser overheat warning
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	PM Panda

Ordering Information

Product Code	ATL-PM-a-bb-B-cc	a : C for C-Band, L for L-Band bb: Output power in dBm cc : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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