

## Benchtop Casing

## Key Features

- Wide wavelength selection range
- High output power
- Good wavelength stability
- Compact size
- Good performance cost ratio

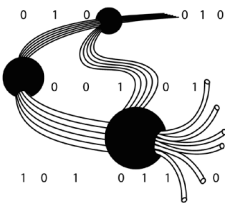


1550nm - CW

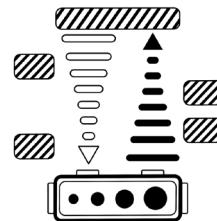
## Description

Amonics' DFB laser sources are with high output power and high power and wavelength stability. The wavelengths available include the ITU grids in C and L band. Special wavelengths such as 1030 nm, 1064 nm and 1650 nm are also available. The application of the DFB lasers include high capacity optical communications and fiber optic sensing.

## Application



- SONET/SDH Systems
- DWDM transmission



- Fiber Optic Sensing



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	ADFB
Wavelength	Customer specified
Output Power	1 mW, 10 mW, 20 mW, 40 mW
3dB Linewidth	Typ. 2 to 5 MHz, Max. 10 MHz
Output Stability	Max. $\pm 0.02$ dB (over 8 hrs), Max. $\pm 0.005$ dB (over 5 mins)
Output Isolation	Max. 25 dB
Side Mode Suppression Ratio	Max. 40 dB

SMF power and FWHM cover a wide range on each center wavelength. Customization is available.  
Please contact us on the required specifications.

## General Parameters

	Benchtop	Module
Operation Temperature	0 to 40 °C	0 to 40 °C
Storage Temperature	-10 to 70 °C	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz	5.0 $\pm$ 0.1 VDC
Dimensions	260(W) x 330(D) x 120(H) mm	100(W) x 120(D) x 18(H) mm
Electrical Connector	NA	14-pin MIL Socket
LCD Display	DFB Laser Current (mA)	NA
Control	Keylock switch, Output power	NA
Protection	Pump laser (TEC) overheat	Pump laser (TEC) overheat
Optical Power Monitoring	RS232 / Ethernet	NA
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	PM 1550 or SMF-28	PM 1550 or SMF-28

## Ordering Information

Product Code	ADFB-aaaa-bb-c-dd	aaaa: Wavelength, e.g. 1550 for 1550nm bb : Output Power in mW c : M for Module, B for Benchtop dd. : 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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