

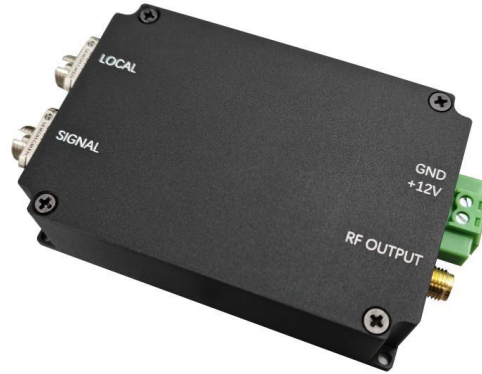
## CD Coherent Detection Module

### Overview

The coherent detection module is primarily used in distributed fiber optic vibration/acoustic sensing (DVS/DAS) and wind measurement radar systems, and features a high signal-to-noise ratio, high reliability, and ease of integration.

### Features

- Coherent detection
- High signal-to-noise ratio



### Applications

- DVS/DAS
- DAS
- Coherent wind measurement radar

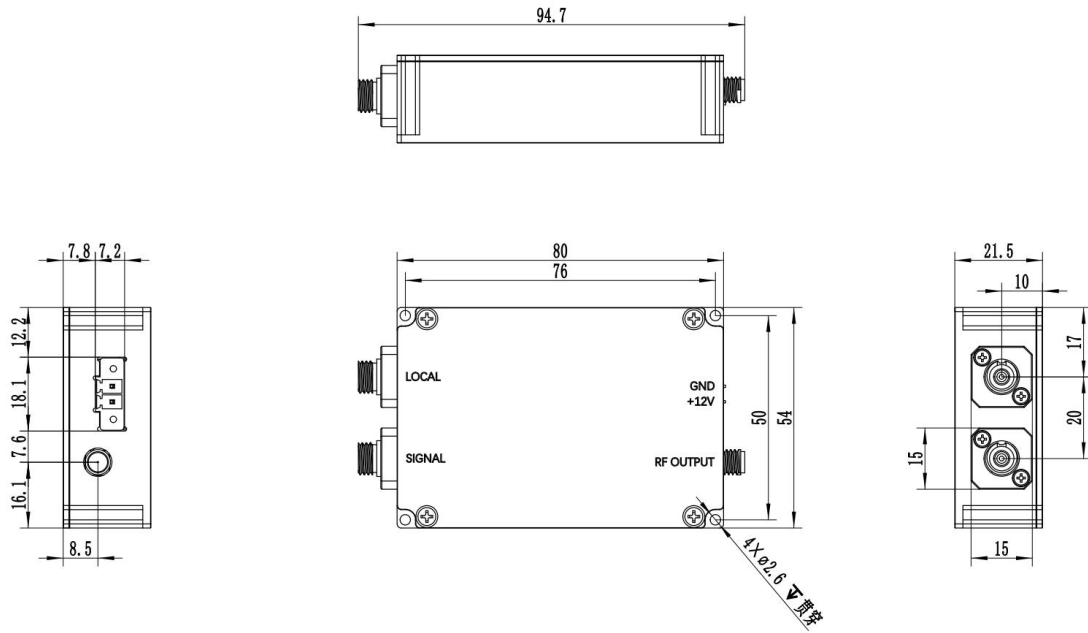
### Specifications

Model	CD-DVS-80M	CD-DVS-200M	CD-DAS-80M	CD-DAS-200M
Wavelength	1000-1700nm			
Input Connector	FC/APC			
Sensitivity	0.9A/W @1550nm			
Gain <sup>a</sup>	50kV/A		50kV/A	
Bandwidth <sup>a</sup>	0.03-50MHz	0.03-50MHz	70-90MHz	175-225MHz
Local Input	<5mW			
Noise Voltage <sup>a</sup>	10mV	10mV	10mV	15mV
Output Swing <sup>a</sup>	0-1.0V	0-1.0V	±1.7V	±1.7V
Operating Voltage	12V			
Operating Current	<500mA			
Output Impedance	50Ω			
Output Coupling Mode	AC			
Output Connector	SMA female			
Operating Temperature	-20~65°C			
Storage Temperature	-40~85°C			

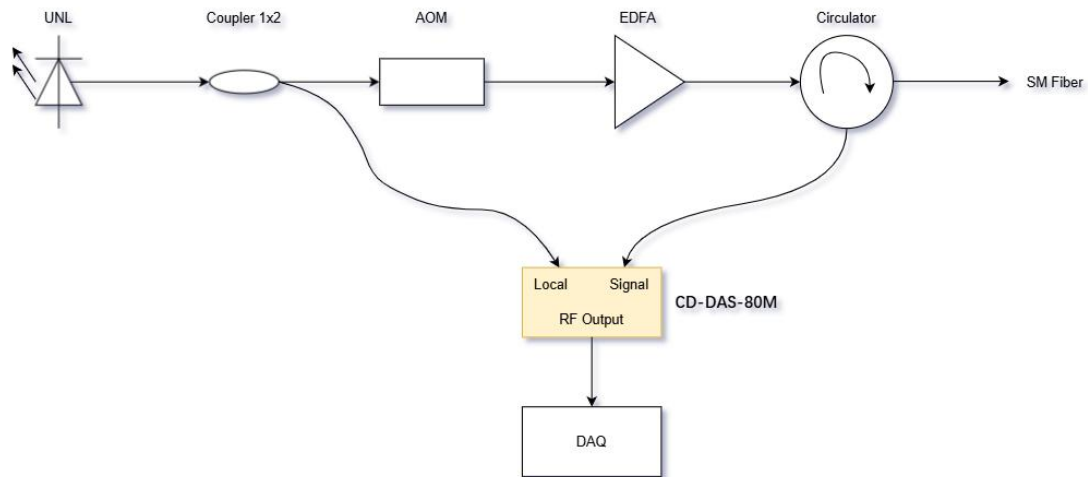
Note:

a For a 50Ω load

## Mechanical Dimensions



## Application Block Diagram



**Packing List**

NO	Item Name	Quantity	Unit	Notes
1	CD Coherent Detection Module	1	each	
2	12V Power Adapter	1	piece	Includes DC adapter cable
3	SMA-to-BNC RF Cable	1	each	