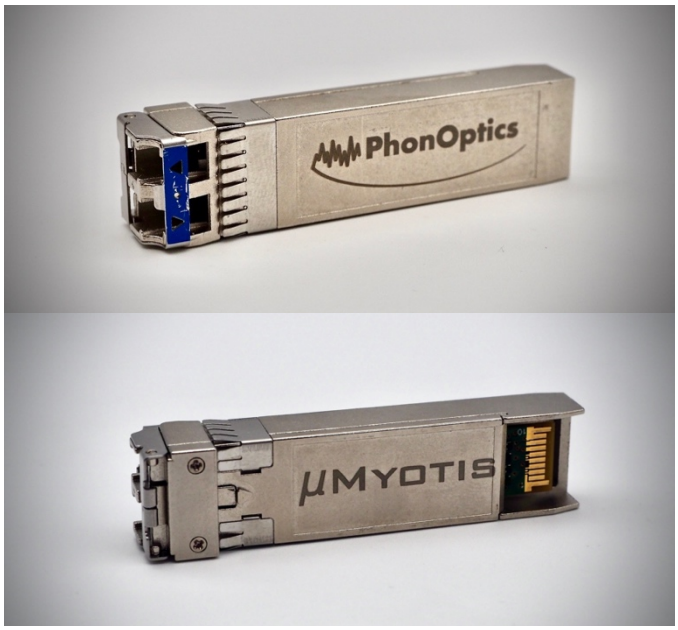
Datasheet

Fiber optic sensors conditioning unit µMyotis

Micro-Myotis



DESCRIPTION

The signal conditioner designed by Phonoptics is intended to be used with all the sensors that Phonoptics manufactures:

- Microphone
- Alpheus dynamic pressure sensor
- Tachometer
- Vibration sensors and others in the future

It integrates a light source, a photodiode and a micro-controller.

Important note:
This package is intended to be used with customer device or with Phonoptics' Breakout unit. Please ask us for any further information



Conditioner input

Connector type	Duplex LC/PC
Measuring range	1µWatt @1310nm
Bandwidth (-3dB)	650 kHz
High-pass frequency	0.9Hz (On BNC only)

Environment

Voltage power supply	
Operating temperature	-40 to 85° C

I/O Connector

Connector type	SFP+

Input

Supply	5V,4.5V,3.3V. Can be 3.3V for all input

Output

Analog	Sensor signal 0-4.5V
Digital	Tx/Rx for unit control and monitoring FLT logic signal for sensor detection