

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
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I/O Connector

Connector type	SFP+
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Input

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

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