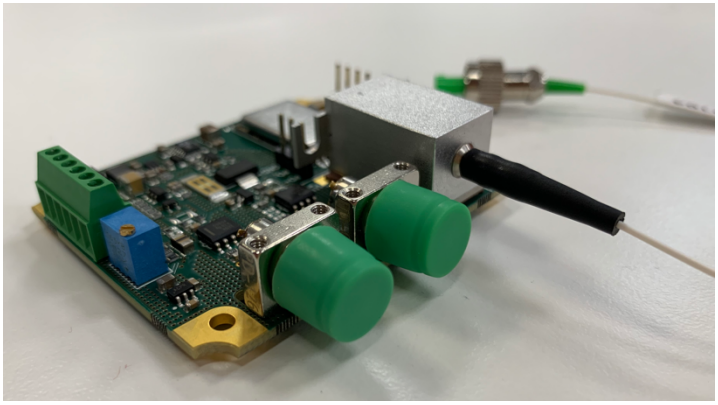
Datasheet

Fiber optic sensors conditioning unit Mini Myotis OEM

Previously FOS1-OEM



DESCRIPTION

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

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

It has a different design from the FOS1 standard version to focus only on essential specifications. It integrates a light source, two photodiodes- one for sensing and the other for light source noise reduction- and all the required electronics in order to adapt the incoming optical signal, from Phonoptics' fiber optic sensors, to the industry standard voltage.

Conditioner input

Connector type	E2000 LSH APC
Measuring range	54 µWatt @1310nm
Bandwidth (-3dB)	800 kHz
Low noise operation bandwidth	100kHz
High-pass frequency	DC output

Supply

Voltage power supply	5V
Rated supply power	0.5 Watt
Connector type	Screw terminal

Environment

Storage temperature	-10 to 55° C
Operating temperature	0 to 45° C
Dimensions	50x50mm

Output

Connector type	Screw terminal
	50ohm
Voltage output	0 to 4.5 volts