


SIS-1

INFRASOUND SENSOR

- ◇ COMPACT
- ◇ CHAINABLE
- ◇ LOW POWER
- ◇ LOW COST



Under
licence of 

SIS-1 is a rugged-field infrasound sensor, ideal for portable systems or remote sites. With the small size and weight, SIS-1 is easily deployable and provides reliable infrasound signal over a wide frequency bandwidth.

SENSOR SPECIFICATIONS

Full scale range ± 995 Pa

Frequency bandwidth @ -3dB 0.1 Hz to 50 Hz

Nominal sensitivity 2.5 mV/Pa $< S < 3.5$ mV/Pa

Self Noise Lower than LNM < 1 Hz (refer to figure 1)

Output Output type: differential
Output load: $2 \times 50 \Omega$

POWER REQUIREMENTS

Voltage 3V to 20 V

Power consumption < 5 mA under 12V

Mating connector CAEN3C8F040DF

Polarity protection up to 20V

PHYSICAL CHARACTERISTICS

Diameter 156 mm

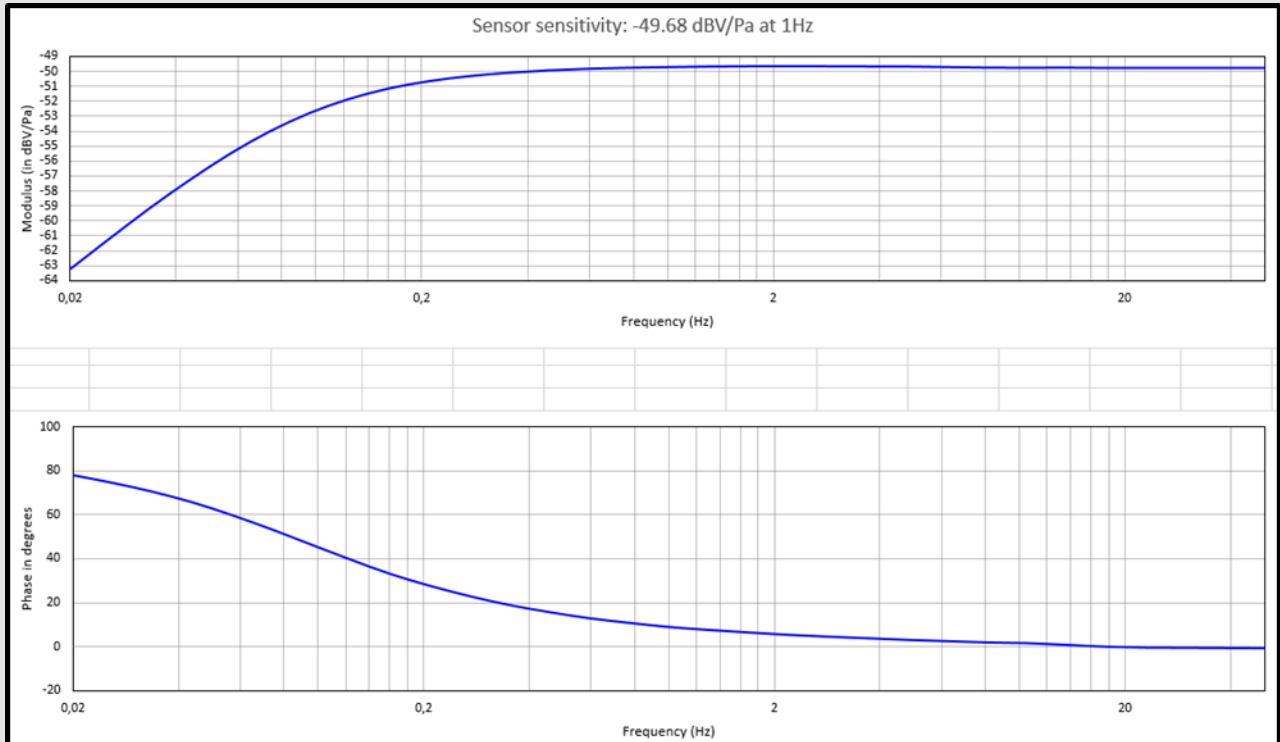
Height 67 mm

Weight 850 gr

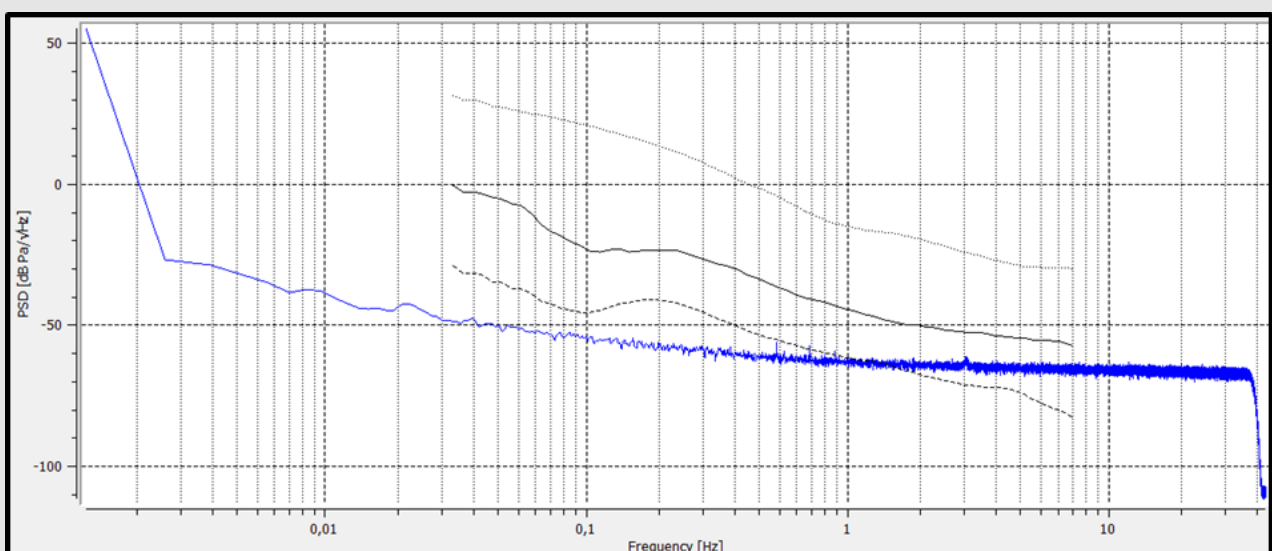
Operating temperature -20°C to $+60^{\circ}\text{C}$



SENSOR SENSITIVITY RESPONSE



SENSOR SELF-NOISE



In the interests of continual improvement with respect to design, reliability, function or otherwise, all product specifications and data are subject to change without prior notice.