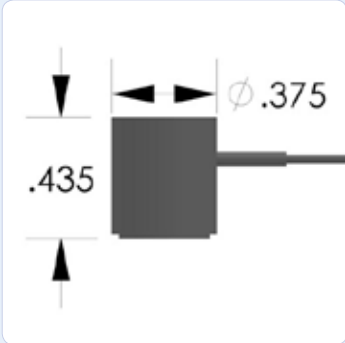
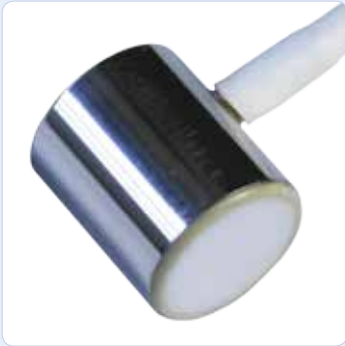


Micro200HF Sensor

Very Wideband Frequency Miniature Sensor



DESCRIPTION AND FEATURES

MICRO-200HF sensor has a good frequency response over the range of 500 – 4500 kHz. Its small size and high bandwidth makes the sensor an ideal candidate for applications where high fidelity AE signals from multiple modes are a necessity. The sensor features a small diameter, microdot connector exiting from the side of the sensor.

APPLICATIONS

The rugged stainless steel cavity along with its small size and weight makes it an ideal sensor for structural health monitoring. The sensor can be used in applications requiring very high bandwidth to determine the predominant frequency bandwidth of AE sources and noise discrimination. It can be easily mounted using epoxy.

OPERATING SPECIFICATIONS

Dynamic

Peak Sensitivity, Ref V/(m/s)	62 dB
Peak Sensitivity, Ref V/ μ bar	-72 dB
Operating Frequency Range	500-4500 kHz
Resonant Frequency, Ref V/(m/s)	2500 kHz
Directionality	N/A

Environmental

Temperature Range	-65 to 177°C
Shock Limit	500 g
Completely enclosed crystal for RFI/EMI immunity	

Physical

Dimensions	0.375" OD X 0.435" H
	9.5 mm OD X 11 mm H
Weight	5 grams
Case Material	Stainless steel
Face Material	Ceramic
Connector	BNC
Connector Locations	Side

ORDERING INFORMATION AND ACCESSORIES

Micro200HF	Micro200HF
Magnetic Hold-Down	MHWD
Preamplifier	0/2/4, 2/4/6
Amplifier Subsystems	AE2A, AE5A
Preamp to System Cable (specify length in 'm')	1234-X

Sensors include

NIST Calibration Certificate & Warranty

