

**PRODUCT DATA SHEET**

**Micro200HF Sensor**

Very Wideband Frequency Miniature Sensor

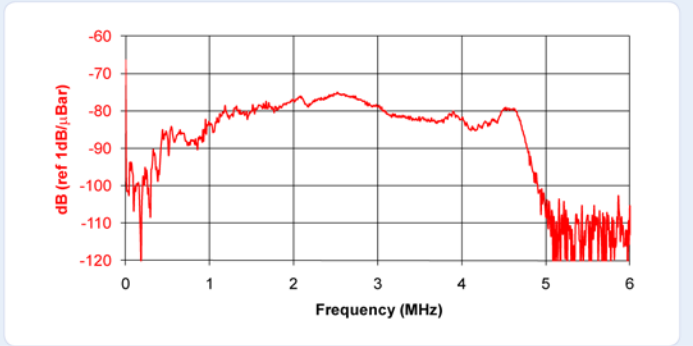
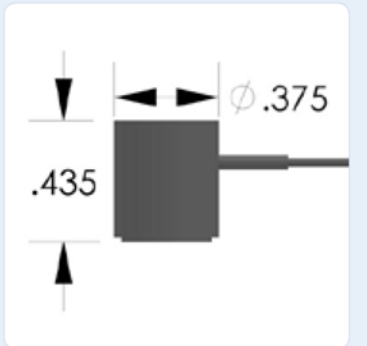


**DESCRIPTION AND FEATURES**

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/μbar.....	-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

