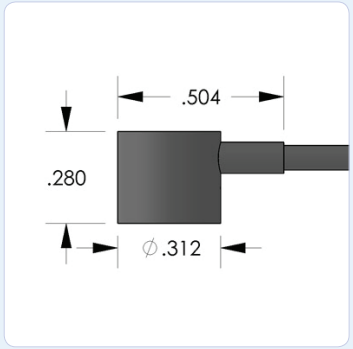
Nano30 Sensor

Medium Frequency Resonant Miniature Sensor

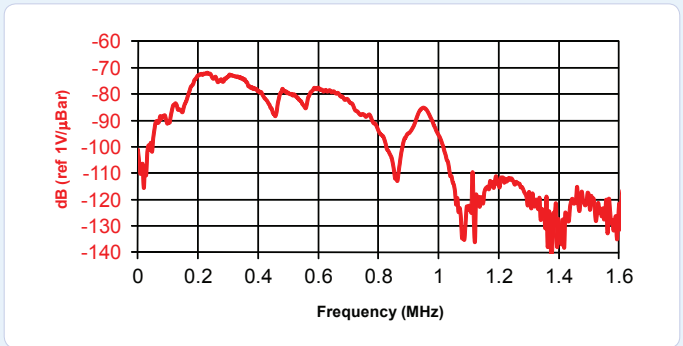


DESCRIPTION AND FEATURES

The Nano-30 miniature AE sensor has a resonant response at 300Khz and a good frequency response over the range of 125 – 750 kHz. Its size makes the sensor an ideal candidate for applications where small size is important. The sensor features a small, 1 meter, integral coax cable, which exits from the side of the sensor with a BNC connector on the end.

APPLICATIONS

The sensor can be used in any application requiring a small, mid-band frequency response. It can easily be mounted using epoxy and can be mounted in small and tight spaces.



OPERATING SPECIFICATIONS

Dynamic

Peak Sensitivity, Ref V/(m/s)	62 dB
Peak Sensitivity, Ref V/µbar	-72 dB
Operating Frequency Range	125-750 KHz
Resonant Frequency, Ref V/(m/s)	140 KHz
Resonant Frequency, Ref V/µbar	300 KHz
Directionality	+/- 1.5 dB

Environmental

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

Physical

Dimensions	0.3”OD X 0.3”H
	8 mm OD X 8 mm H
Weight	2 grams (8 with cable & connector)
Case Material	Stainless steel
Face Material	Ceramic
Connector	BNC
Connector Locations	Side

ORDERING INFORMATION AND ACCESSORIES

Nano30	Nano30
Cable (specify cable length in meters)	1 m
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

ISO 9001

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