MIDÉ
TECHNOLOGY CORPORATION

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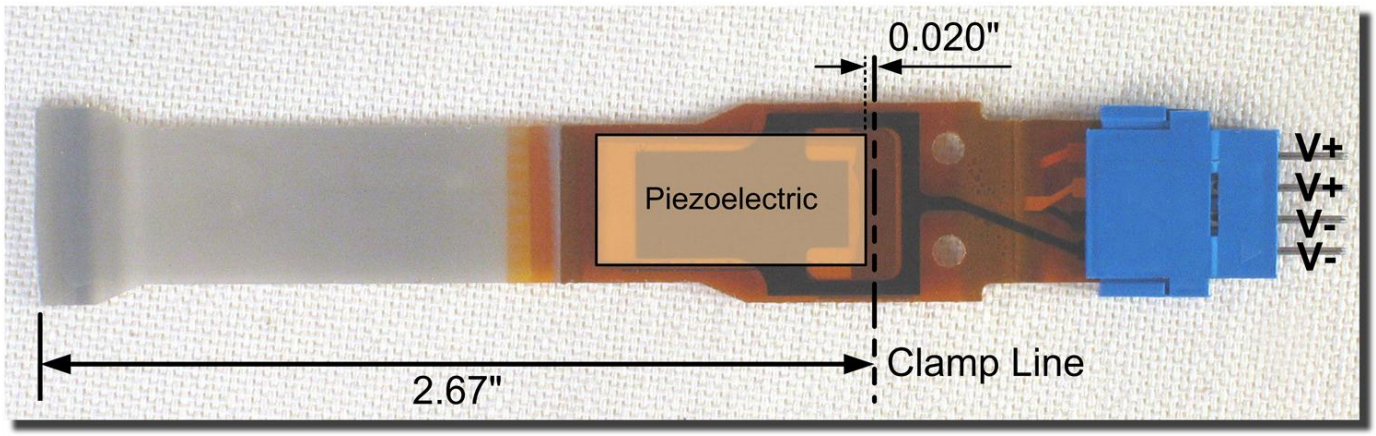
Specifications – Piezoelectric Fan	
Active Elements	1 Stack of 2 Piezoelectric Ceramics
Application Type	Oscillating Cantilever Beam
Resonant Frequency	60 Hz
Device Size (in)	1.63 x 0.67 x 0.028
Device Weight (oz)	0.15
Piezo Wafer Size (in)	1.40 x 0.57 x 0.08
Device Capacitance (uF)	+-200



Natural Frequency & Clamping

The natural frequency of a cantilever beam is determined by a number of factors. The easiest adjustment to make is to adjust the length of the beam, which will alter the resonant frequency. The fan is tuned to natural frequency of 60Hz. Clamp the fan at the line indicated in the above figure, 0.020" from the back of the piezoelectric ceramic. Moving the clamp line towards the connector, and making the resonant beam longer, will decrease the natural frequency.

DO NOT clamp over the piezoelectric ceramic, as this could potentially crack the ceramic and significantly reduce tip-displacement of the fan. Connect the fan to an AC voltage supply.

The Midé **CB-016** cable can be purchased separately to connect the fan seamlessly to a signal generator or the Midé **QPA200** High Voltage Amplifier.

For more information, including demo videos, please see **www.mide.com**