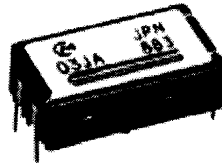




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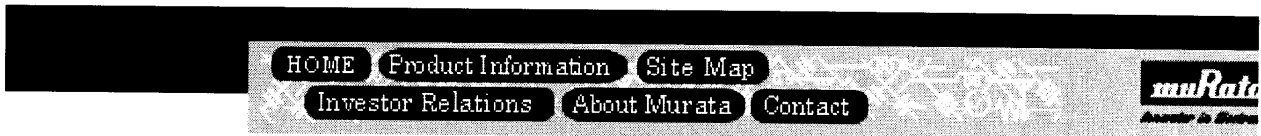
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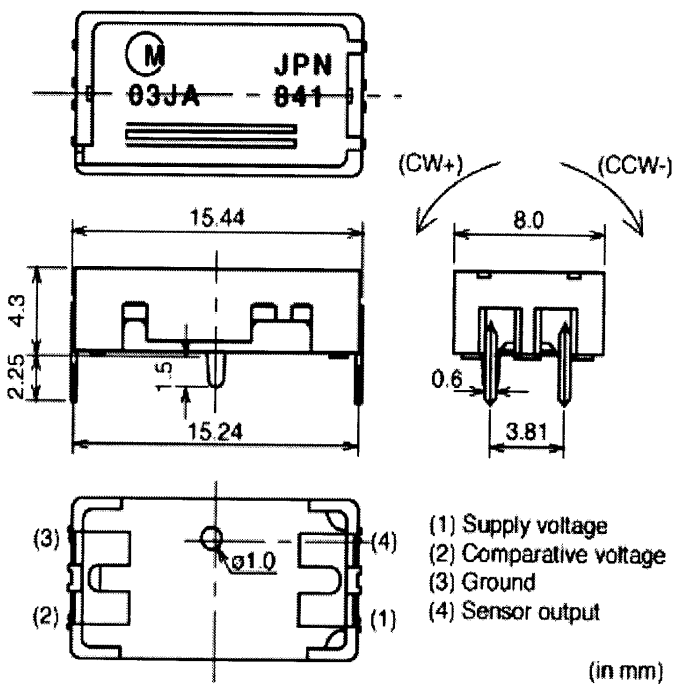
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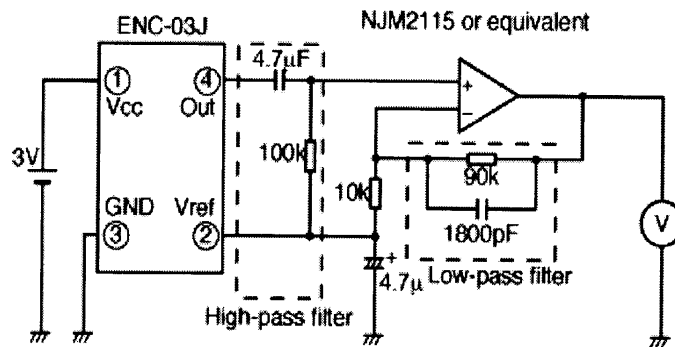
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The high-pass filter's cut-off frequency in this circuit is approx.0.3 Hz.

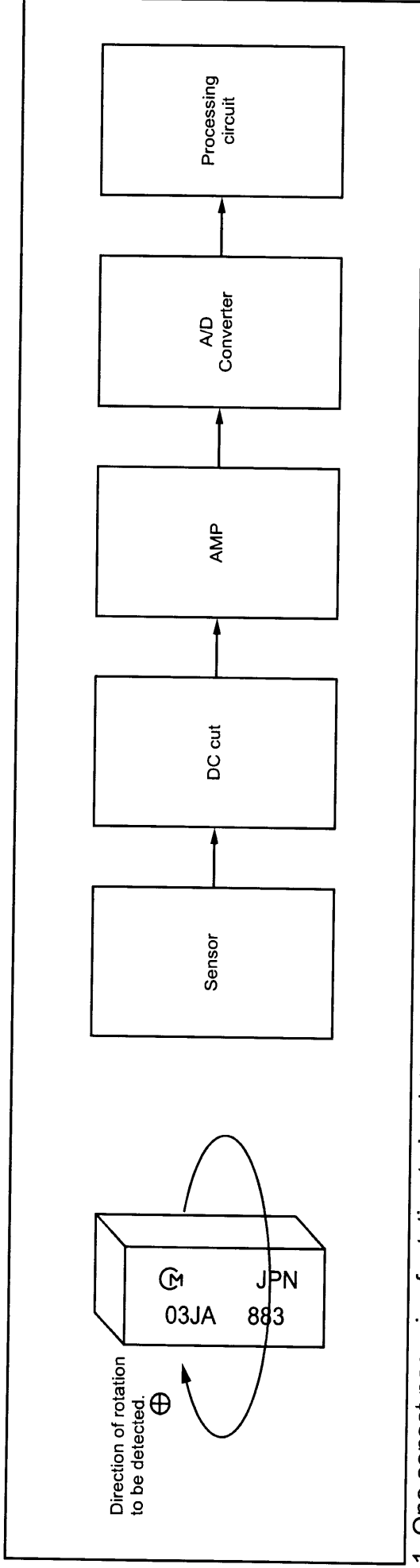
The low-pass filter's cut-off frequency in this circuit is approx.1kHz.

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■ APPLICATION



1. One sensor per axis of rotation to be detected.
2. For high-precision measurements, the effect of temperature drift (fluctuation of output in stationary state due to changes in ambient temperature) must be eliminated by removing the output's DC component. This can be accomplished by connecting a high-pass filter with low cut-off frequency to the sensor's output.
3. A low-pass filter capable of blocking out high frequency components above the response frequency must be connected to suppress the noise components in the sensor element near 25kHz.

1. This sensor must be installed in the correct position relative to the direction of rotation to be detected.

1. Incorrect handling may affect sensor characteristics. Please note the following precautions ;
 - (1) Do not install the sensor in a location in which condensation is likely to form on it.
2. This sensor must be installed where temperature does not vary significantly.

This product is an angular velocity sensor that uses the phenomenon of Coriolis force, which is generated when a rotational angular velocity is applied to the oscillating body. To achieve its ultra-small size, ultra-lightweight, and quick-response capability, the circuitry has been converted to a custom IC in addition to a sensor element using a Murata's original, ultra-small, ceramic bimorph vibrating unit. This product offers many excellent features such as a quick-response feature when detecting a moving object or the increased flexibility of installment because of its small and lightweight design.

:FEATURES

1. Ultra-small and ultra-lightweight
2. Quick response
3. Low driving voltage ; low current consumption
4. Reliable features achieved by a built-in-AGC circuit

:APPLICATIONS

1. Detecting hand movement involved in video and still cameras
2. Detecting vibrations in various vibration free table and isolators
3. Detecting the own movement