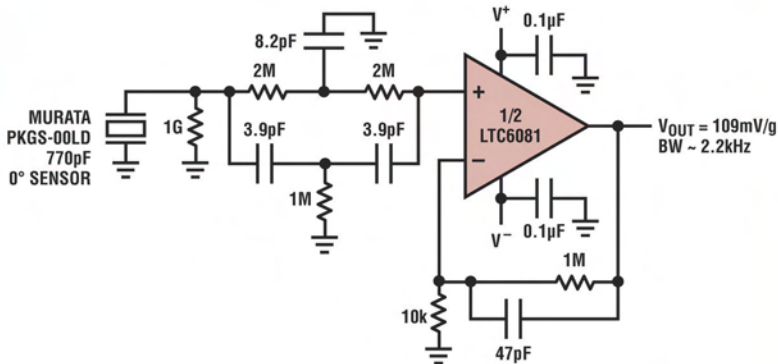


Shock Sensor Amplifier (Accelerometer)



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A shock sensor is a capacitive piezoelectric element that generates a charge under physical acceleration. This charge can be converted to a voltage and filtered using high valued resistors and a high input impedance CMOS amplifier such as the LTC6081. This circuit has a gain of 100 and output of 109mV per g of acceleration.