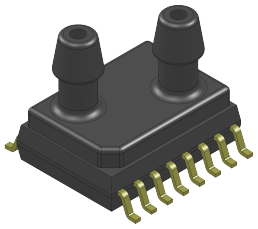
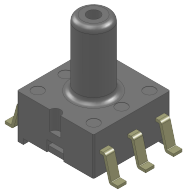
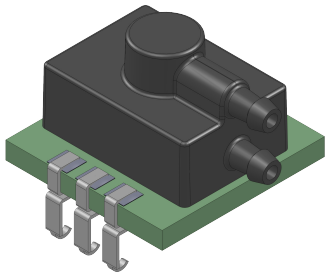
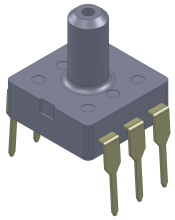
ALL SENSORS®

DLC - Compact High Resolution Pressure Sensors Series









Introduction

The DLC Series Compact High Resolution Sensor is based on All Sensors' CoBeam²™ Technology. This reduces package stress susceptibility, resulting in improved overall long term stability. This technology breakthrough advances the state of the art for piezoresistive pressure sensors beyond what has been achieved for low pressure sensing using silicon based strain technology. Design engineers will find exceptional space savings with optimal performance for various compact applications. The DLC series compact package sizes start as small as 7mm x 7mm and the product family's low cost makes it the perfect solution for applications that require very low prices with high volume.

The low supply voltage allows for integration of the sensors into a wide range of process control and measurement systems, as well as direct connection to I2C serial communications channels. The DLC series offers 16 bit digital resolution. The digital interface options ease integration of the sensors into a wide range of process control and measurement systems, allowing direct connection to serial communications channels. For battery-powered systems, the sensors can enter very low-power modes between readings to minimize load on the power supply.

These calibrated and compensated sensors provide accurate, stable output over a wide temperature range. This series is intended for use with non-corrosive, non-ionic working fluids such as air and dry gases.

https://www.allsensors.com/products/dlc-series

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