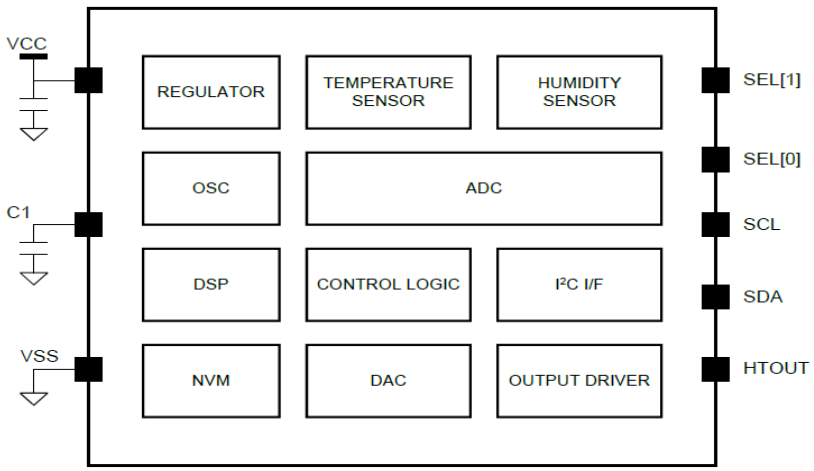
MXH1100
Temperature and Humidity sensor IC

The MXH1100 is a state of the art temperature and relative humidity sensor utilized proven techniques for measuring humidity using polymer dielectric film along with CMOS mixed signal integrated circuits. It provides fully calibrated digital output(I2C, PWM, PDM) and analog output as well. In particular, its analog output allows for easy integration without the need for additional calibration/component. The resolution can be changed by command (8/12bit up to 12/14bit for RH/T). Every sensor is individually calibrated and tested and the lot identification is printed on the sensor.

Key Feature

	MXH1100
Function	Humidity / Temperature
	Linear / Temp. compensation
Response Time	~10sec
Package (mm)	2.8x3.6 10-pin DFN
Humidity Accuracy	±3.0 %
VDD	4.75~5.25V
System operating VDD current(5V)	0.3mA @Analog voltage mode
Output	I2C / PWM / PDM / Analog Voltage Selectable by SEL[1:0]

Block Diagram



For more information, please email at MXsensorQnA@magnachip.com