



TGS2612-D00

Product code: TGS2612-D00

Manufacturer: Figaro Engineering Inc.

The sensing element is comprised of a metal oxide semiconductor layer formed on an alumina substrate of a sensing chip together with an integrated heater. In the presence of a detectable gas, the sensor's conductivity increases depending on the gas concentration in the air. A simple electrical circuit can convert the change in conductivity to an output signal which corresponds to the gas concentration.

The TGS2612-D00 has high sensitivity to methane, propane and butane, making it ideal for LNG and LPG monitoring. Due to its low sensitivity to alcohol vapors (a typical interference gas in the residential environment), the sensor is ideal for consumer market gas alarms.

Due to miniaturization of the sensing chip, TGS2612-D00 requires a heater current of only 56mA and the device is housed in a standard TO-5 package.

The typical detection range is 0-25% of LEL of methane.

Application field	Domestic
Heater consumption	280 mW
Measurement range	1-25% LEL
Target Gas	Methane