

Sensor Platform

BI2

Gold interdigitated electrodes (IDE) are sputtered on the ceramic substrate. The electrode system allows the measurement of various sensitive layers. The structure of the sensitive layer can be applied by various thick- or thin-film technologies.

Applications: Typical applications for this platform are different types of gas sensors and measuring relative humidity and air quality; testing different chemical processes

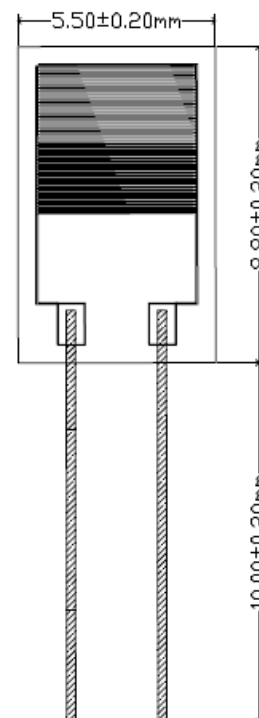
IDES: Line / Gap: 25 μm / 25 μm
Structure of the multilayer:
NiCr/Ni/Au

Connection: Ag wire \varnothing 0.25 mm

Lead length: 10 \pm 2 mm (customer specifications)

Temperature range: -30 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$

Dimensions: 5.5 x 8.8 x 0.6 mm



Tested: Rapid change in temperature
-30 $^{\circ}\text{C}$ / 200 $^{\circ}\text{C}$
Constant humid heat 21 days
85 $^{\circ}\text{C}$ / 95 % RH,
Vibration (sin) 10 Hz – 500 Hz. 3 g.
1 okt/min. 75 h in axis X + 75 h in axis Y
Tensile strength of outlets

