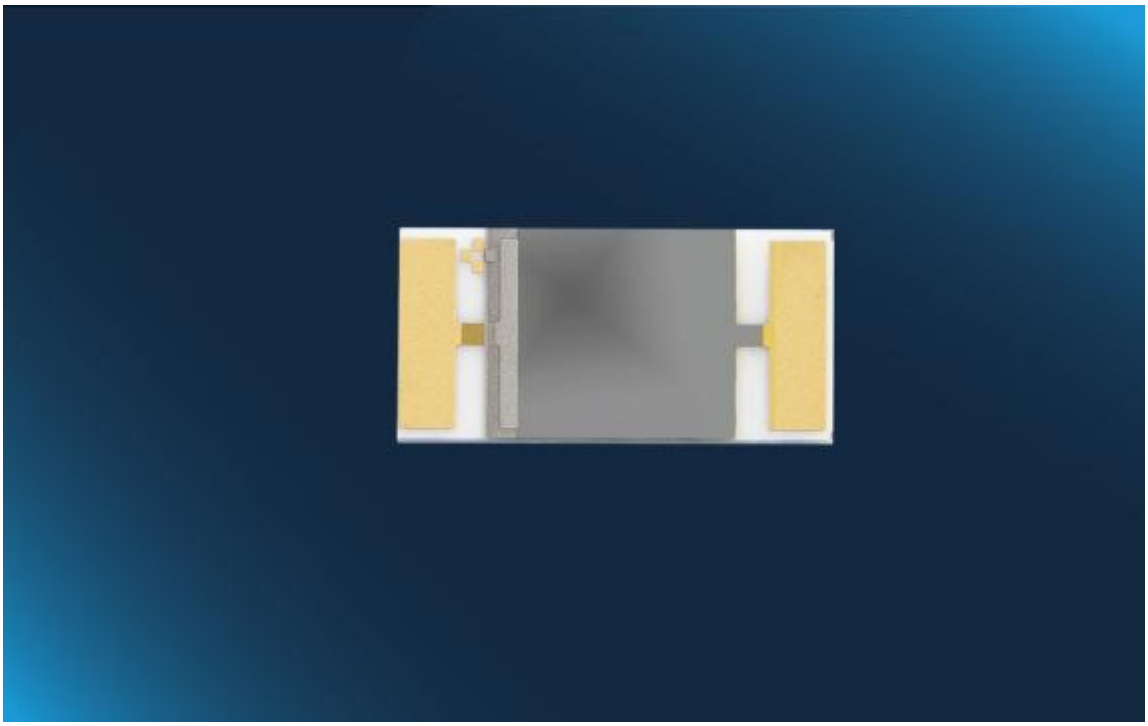
P14 FemtoCap-G SMD (180 pF +/-50 pF)



Optimal for automotive and white good applications, -50 °C to +150 °C, 4.0 x 2.0 mm, SMD 1608, automatic assembly compatible

Capacitive SMD humidity sensor P14 FemtoCap

Very small size and excellent sensor characteristics make the sensor optimally suitable for automotive and white good applications.

Product Name: P14 FemtoCap-G
Capacitance: 180pF +/-50pF (at +23 °C and 30 % RH)
Operating humidity range: 0 % RH to 100 % RH
Operating temperature range: -50 °C to +150 °C
Dimensions: 4 x 2 x 0.4 mm
Connection type: SMD-Pads
Response time: < 3 s

Measured medium: Air/Gas
Product Old code: 040.00111
Product code: 103563

Product details

P14 FemtoCap - Optimal for automotive and white good applications

Despite its very small size, the iST FemtoCap humidity sensor has excellent sensor characteristics that are required in areas such as automotive and white good applications. In combination with external electronics, it offers an excellent cost to performance ratio. The FemtoCap is an optimal cost efficient sensor solution and is capable of measuring 0 % RH to 100 % RH (maximal dew point +85 °C) with a capacitance of 180 pF ±50 pF (at 30 % RH and +23 °C) and operates within a temperature range of -50 °C to +150 °C.

The P14 FemtoCap humidity sensor is also available as SMD for automatic packaging as standard configuration.

Benefits & Characteristics of this humidity sensor

- High chemical resistance
- Very low drift
- Wide temperature range
- High humidity stability
- Resistance to condensation
- Fast recovery time

Customer-specific sensor available upon request

Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

> Read more

The online shop

Quantity (pieces)	Price (per piece)
5-49	CHF 19.80
50-99	CHF 15.71
100-150	CHF 13.91

Stock: **915**