

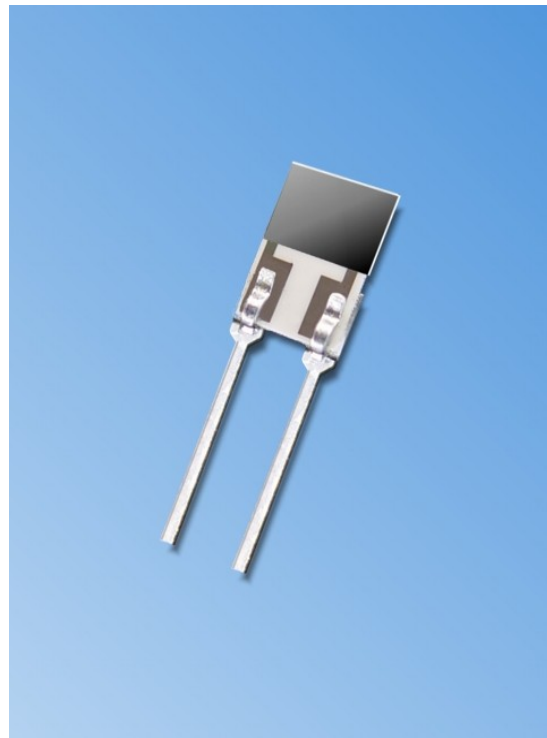


Characteristic features

- ▶ High resistance to chemicals
- ▶ Fast response time
- ▶ Hot water resistant
- ▶ Excellent hysteresis behaviour
- ▶ Mechanically robust
- ▶ Linear characteristics over a wide range
- ▶ Wide application spectrum
- ▶ Very good price performance ratio
- ▶ RoHS conform

Typical areas of application

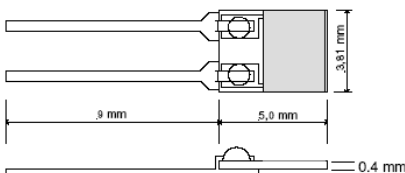
- ▶ Industrial measuring systems
- ▶ Medical systems
- ▶ Pressure dew point measurement systems



Features

The capacitive humidity sensor with a nominal capacitance of 200 pF and a wide range of applications in the humidity-temperature matrix offers ideal solutions for many problems in the humidity measuring technique. Another highlighting feature is its single layer high performance polymer which imparts very high chemical resistance to the sensor and guarantees outstanding long term stability.

The KFS330-MIN is a result of further development and miniaturization of the already proven humidity sensor type KFS330. By using the same polymer on a reduced substrate size, the same level of chemical resistance of type KFS330 has been achieved with a little lower output signal but with a very good price performance ratio.



For further information, please visit our website:

www.hygroSENS.com

Technical Data

Capacitive Humidity Sensor KFS330-MIN	
Measuring principle	Capacitive Polymer humidity sensor
Humidity range	0 ... 100% relative humidity
Temperature range	-40 ... +190 °C
Capacitance	200 pF ± 40 pF (at 30% r.H.)
Gain value	0.3 pF / %r.H. (20 ... 95% r.H.)
Tan δ	< 0.01
Hysteresis	< 2.0% r.H.
Response time	< 10 sec. typ.
Frequency range	1 ... 100 kHz
max. evaluation voltage	< 12 Vpp ~
Signal waveform	AC voltage (without DC-component)
Dimensions	3.81 x 5.0 x 0.4 mm
Connection	SIL- contacts
Order No.	KFS330-MIN
Example circuits, Evaluation-Kits und complete Module available on request !	

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