Technical Data

Gas sensor element GGS 8330 T

Gas sensor

**GGS:** Single sensor

Type of sensor

8: Sensor for the detection of C\textsubscript{2}H\textsubscript{5}OH, low cross sensitivity to CH\textsubscript{4}, CO and H\textsubscript{2}

Chip

3: Size = (3.0 x 3.0) mm\textsuperscript{2}

Heater resistance at 0 °C

3: R\textsubscript{H0} = (10.0 ± 0.5) Ω

Class of accuracy

0: R\textsubscript{SD} = ± 75 %, R\textsubscript{S}/R\textsubscript{SD} = ± 30 %

Housing

T: Sensor in a TO39-housing with a stainless steel cap

Dimensions

![Sensor Dimensions Diagram]

Pin assignment

Pin 1, 4 … Heater; Pin 2, 3 … Sensitive layer

Operating parameters

Temperature T\textsubscript{H} = (460 ± 15) °C
Heater resistance R\textsubscript{H} = (26.7 ± 1.3) Ω
Power rating P\textsubscript{H} ≈ 960 mW (Heater voltage U\textsubscript{Hstat} = 5.1 V)

Sensor parameters

Basic resistance R\textsubscript{SD} = (30 ± 20) kΩ
Measurement voltage U\textsubscript{S} < 250 mV

Conformity

2002/95/EC Restriction of the use of Hazardous Substances Directive (RoHS)

![Sensitivity Characteristics to Impact]

Figure 1: Sensitivity characteristics to impact at C\textsubscript{2}H\textsubscript{5}OH, CO and H\textsubscript{2}

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