Technical Data

Gas sensor element GGS 1330 T

**Gas sensor**
- GGS: Single sensor

**Type of sensor**
- 1: Universal sensor with a wide range of applications, especially suitable for the leak detection of combustible gases.

**Chip**
- 3: Size = (3.0 x 3.0) mm²

**Heater resistance at 0 °C**
- 3: \( R_{H0} = (10.0 \pm 0.5) \, \Omega \)

**Class of accuracy**
- 0: \( R_{S0} = \pm 75 \% \), \( R_S/R_{S0} = \pm 30 \% \)

**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 \( T_H = (450 \pm 15) \, ^\circ C \)
- Heater resistance \( R_H = (26.4 \pm 1.3) \, \Omega \)
- Power rating \( P_H \approx 960 \, mW \) (Heater voltage \( U_{Hstat} = 5.0 \, V \))

**Sensor parameters**
- Basic resistance \( R_{S0} = (50 \pm 35) \, k\Omega \)

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

![Sensitivity characteristics graph]

Figure 1: Sensitivity characteristics to impact at CH₄, CO and H₂

Made in Germany