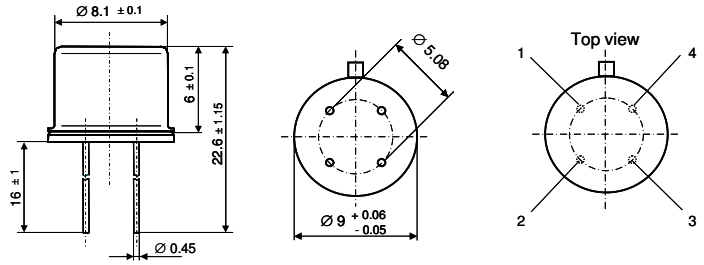
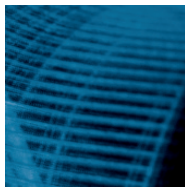
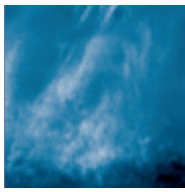
Technical Data

Gas sensor	***GGS***:	Single sensor
Type of sensor	***6:***	Sensor for hydrogen, with low cross sensitivity to CH_4, CO and alcohol
Chip	***3***:	Size = (3.0 x 3.0) mm^2
Heater resistance at 0 °C	***3***:	R_{H0} = (10.0 ± 0.5) Ω
Class of accuracy	***0***:	R_{S0} = ± 75 %, R_S/R_{S0} = ± 30 %
Housing	***T***:	Sensor in a TO39-housing with a stainless steel cap
Dimensions		
Pin assignment		Pin 1, 4 … Heater; Pin 2, 3 … Sensitive layer
Operating parameters		Temperature T_H = (550 ± 15) °C Heater resistance R_H = (29.7 ± 1.5) Ω Power rating P_H ≈ 1250 mW (Heater voltage U_{Hstat} = 6.0 V)
Sensor parameters		Basic resistance R_{S0} = (8 ± 5) kΩ
Conformity		2002/95/EC Restriction of the use of Hazardous Substances Directive (RoHS)





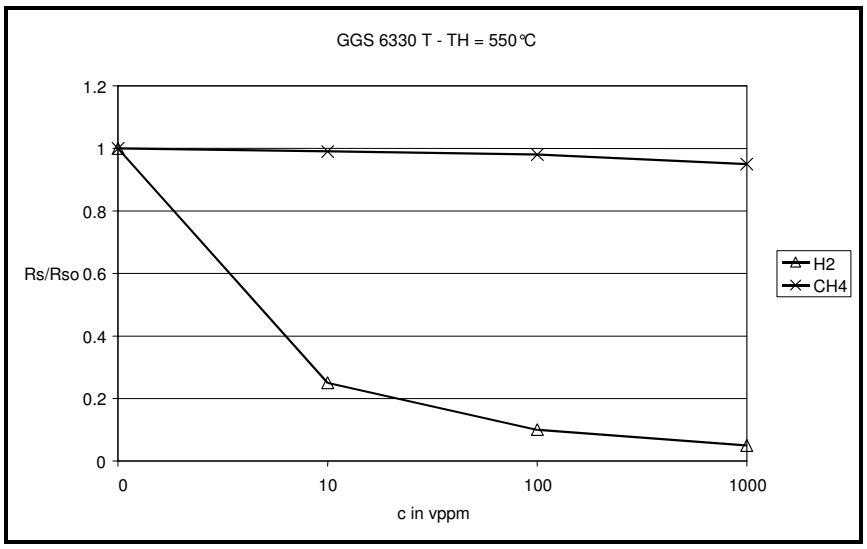


Figure 1: Sensitivity characteristics to impact at H_2 and CH_4

Made in Germany

TÜV CERT ISO/TS 16949:2002 Reg.-Nr.: 78 111 8847

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