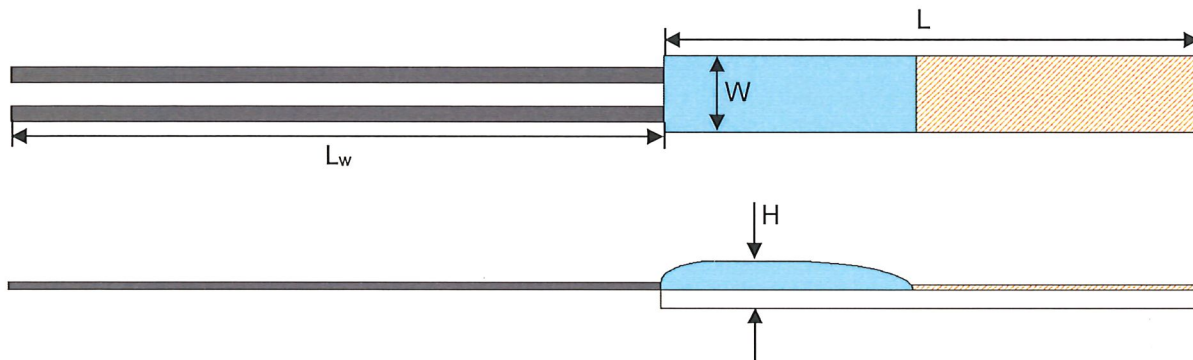


IST AG	Platinum thin film RTD			4W
Drawing No.	Sensor Type	Rev.	Date	Page
Z1444.19.04 EN	POK1.3505.4W._.007.S	-	08.04.19	1/1

DIMENSIONS [mm]:



ELECTRICAL SPECIFICATIONS:

TYPE:	POK1.3505.4W.A.007.S POK1.3505.4W.B.007.S	Order No.: 310.01656 Order No.: 310.01657
NOMINAL RESISTANCE:	100 Ω at 0°C	
CHARACTERISTIC:	IEC 60751	
TOLERANCE:	IEC 60751 F0.15: +/- (0.15 + 0.002 x ITI) °C IEC 60751 F0.3: +/- (0.3 + 0.005 x ITI) °C with ITI = absolute value of temperature in °C	
TEMPERATURE COEFFICIENT:	3850 ppm/K	
TEMPERATURE RANGE:	-50°C to +400°C	
TEMPERATURE DEPENDENCE OF RESISTIVITY:	according to IEC 60751: -50 to 0°C $R(T) = R_0 \cdot (1 + A \cdot T + B \cdot T^2 + C \cdot [T - 100] \cdot T^3)$ 0 to +400°C $R(T) = R_0 \cdot (1 + A \cdot T + B \cdot T^2)$ $A = 3.9083 \cdot 10^{-3} \cdot ^\circ\text{C}^{-1}$, $B = -5.775 \cdot 10^{-7} \cdot ^\circ\text{C}^{-2}$, $C = -4.183 \cdot 10^{-12} \cdot ^\circ\text{C}^{-4}$ R_0 = resistance value in Ohm at 0°C T = temperature in accordance with ITS90	
DIMENSIONS:	L 3.5 ± 0.15	W 0.5 ± 0.05 H 0.5 ^{-0.1}
CONTACTS:	Ag-wire, Ø 0.10 mm, L _w = 7 mm	
LONG TERM STABILITY:	max. 0.04% after 1000 hrs at +150°C	
MEASURING CURRENT: (Recommended, Self-heating has to be considered)	0.3 mA	
SPEZIAL:	fit into Ø 0.8 mm	

	Title	Name	Signature	Date
DRAWN	R&D	Y. Barb		08.04.19
APPROVED	CS Manager	F. Klammsteiner		08.04.19
QS	QS Manager	A. Polakova		28.04.19