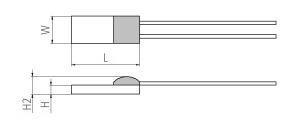


1000 °C Series Platinum sensor with wires For extremly high temperatures

Benefits & Characteristics

- Excellent long-term stability
- 3770 ppm/K characteristics curve
- Low self-heating
- Small dimensions

Illustration¹⁾



Vibration resistant

Fast response time

Simple interchangeability

1) For actual size, see dimensions

Technical Data

Operating temperature range:	-70 °C to +1000 °C
Nominal resistance:	200 Ω at 0 °C
Characteristics curve:	3770 ppm/K
Tolerance class (dependent on temperature range):	IST AG reference -40 ° to +300 °C +300 °C to +850 °C
	K ±3 K ±1 %
Connection:	Pt-wire, 7 x 0.25 (L x Ø in mm) (solderable, weldable, crimpable)
Recommended applied current:1)	Max. 2.8 mA at 850 °C
¹⁾ Self-heating must be considered	
Other alternatives:	Substrate thickness





Order Information - 10K (Pt-wire, Ø 0.25 mm)

Size

Dimensions (L x W x H / H2 in mm)

Nominal resistance: 200 Ω at 0 °C 420 Order code

L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm

3.85 x 1.9 x 0.45 / 0.75 POK2.420.10K.K.007.D.S 310.00445

Additional Documents

Application Note:

Document name: ATP_E



physical. chemical. biological.



Order Information Platinum Sensor Secondary reference

1ateri =		inum															
_																	
	TCR																
									11 ppm								
	U	= P	t 375	0 pp)m/K	W	=	Pt 38	50 ppm	/K (e	extende	d ope	erating	i tempe	erature	e rar	nge in class A)
		Resis	tance in Ω at 0 °C														
			Size i	n m	m												
				Operating temperature range													
				1	=	-50 °C	to +	150 °C	6	=	-200 °	°C to	+600	°C			
				2					7								
				3					6 8		-200 °						
				4	=	-200 °	C to	+400 °(C 10	=	-70 °C	: to +	1000	°C			
						Connection											
						S	=	SIL			FK	= flá	at wire	custor	mer-sp	pecif	ic
						1	=	insulate	ed wire					dicular			
						K			er-specit	ic				strand		re	
						W		wire			E	= er	namele	ed Cu-v	wire		
						FW	=	flat wir	9								
							То	lerance	class								
							А	=	EC 6075	1 FC).15	I	K =	custo	mer-s	pecit	fic
							В		EC 6075				P =	pair			
							С		EC 6075			(G =	grou	0		
							Y	=	EC 6075	1 FC).1						
								Wir	e length	in r	nm						
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									Specia T =		betroto	thick		2E man	~ N/		motallized backs
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	0K2	2.42	0.	10		K.	К.	007. I)								



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