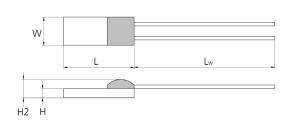


1000 °C Series Platinum sensor with wires For extremly high temperatures

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 $+300^{\circ}$ C $+300^{\circ}$ C to $+850^{\circ}$ 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										

iSweek www.isweek.com

Add: 16/F, Bldg. #3, Zhongke Mansion, No.1 Hi-Tech S. Rd, Hi-Tech Park South, Shenzhen, Guangdong, 518067 P.R.China

Tel: + 86-755-83289036 Fax: + 86-755-83289052



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

Size Nominal resistance: 200 Ω at 0 °C	Dimensions (L x W x H / H2; L _w in mm)	Product description
420 Order code Former order code	3.85 x 1.9 x 0.45 /0.75; 7	P0K2.420.10K.K.007.D.S 104078 <i>310.00445</i>
Additional Documents	Document name:	

Application Note:

ATP_E

İSweek www.isweek.com Add: 16/F, Bldg. #3, Zhongke Mansion, No.1 Hi-Tech S. Rd, Hi-Tech Park South, Shenzhen, Guangdong, 518067 P.R.China Tel: + 86-755-83289036 Fax: + 86-755-83289052 E-mail: sales@isweek.com



Order Information Platinum Sensor Secondary reference

Nater	rial																					
) =	Ρ	atinu	Im																			
	Т	CR																				
		=	Pt 37	70 pj	pm/k		j	=	Pt 39	11 pp	om/	К										
	U	=	Pt 37	50 pj	pm/k	C V	V	=	Pt 38	50 pp	om/	K (e	extend	ded (opera	ting	temp	peratur	e ra	nge i	n class	5 A)
		Re	sistance	e in S	2 at	0 °C																
			Circ	e in m																		
			SIZE	e in m																		
				Op		-			ure ran	-												
				1					50 °C													
				2					00 °C 300 °C						to +/ to +8							
				4					400 °C						10 +c c +10							
																	~					
							nnec						FIZ		flat					f: -		
						S I		SI	L Isulate	d wir	Ō		FK SW					omer-sj r wire	bech	IIC		
						K			ustome			С	L					ded wi	re			
						W		W					Е		enar	nele	d Cu	-wire				
						FW	=	fl	at wire													
			Tolerance class																			
					$A = IEC 60751 F0.15 \qquad K = cus$			cust	omer-s	peci	ific											
								В	= IE	C 60)751	I FO	.3		Ρ	=	pair					
								С	= IE						G	=	grou	ц				
								Y	= IE	C 60)75´	I FO	.1									
									Wire	e leng	gth	in n	nm									
										Spe	cial											
												sul	bstrat	te th	ickne	ss 0.	25 m	nm M	=	me	tallized	backs
										D								ım U				weldin
										R	=	rol	und h	iousi	ng			S	=	spe	cial	
										W	=	sin	tered	l pov	vder							
		K2.		10		 К.	K.	_	07. C													

Sweek www.isweek.com

Add: 16/F, Bldg. #3, Zhongke Mansion, No.1 Hi-Tech S. Rd, Hi-Tech Park South, Shenzhen, Guangdong, 518067 P.R.China

Tel: + 86-755-83289036 Fax: + 86-755-83289052