

P0KI.520.6W.B.010.S





Platinum temperature sensor with wires

For high temperatures









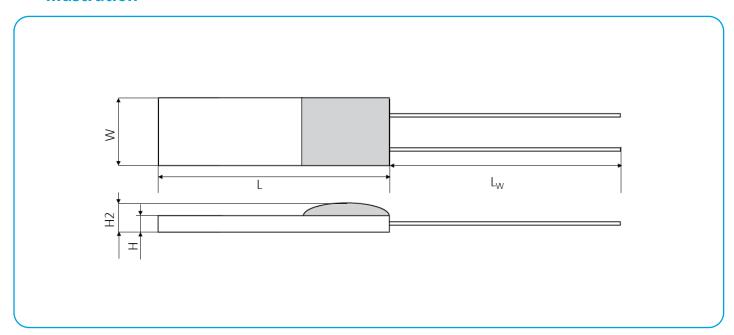




- High accuracy and stability
- Low self-heating
- Fast response time
- Vibration and temperature shock resistant
- Compact size and robust construction
- Dicing capability for custom integration



Illustration 1)



¹⁾ for actual size see dimensions in order information

H = Substrate Height W = Width L = Length L_w = Wire length H2 =Height

Dimension tolerances: W ±0.2 mm, L ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm,

 L_W (up to 30 mm) ± 1 mm

Technical data

Operating temperature range:	-200 °C to +600 °C	
Nominal resistance:*	100 Ω at 0 °C	
Characteristics curve:*	3850 ppm/K	
Tolerance class: * (dependent on temperature range)	IEC 60751 F 0.3	iST reference B
Dimension (L x W x H):_	5.0 x 2.0 x 1.3 mm	
Connection:*	Pt/Ni-wire, Ø 0.2 mm, 10 mm long	

^{*} Customer-specific alternatives available

Order Information

6W (Pt/Ni-wire, Ø 0.2 mm, 10 mm long)

Nominal Resistance	Size	Dimensions (L x W x H in mm) L ±0.2, W ±0.2, H ±0.1,	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
100 Ω	520	5.0 x 2.0 x 1.6	F0.15 (class B)	155815	P0K1.520.6W.B.010.S	10	dicing

Additional Documents

Application Note	Document name: ATP_E



Order Information

Platinum Sensor - Secondary reference















Mate	rial																
Р	=	Platinun	n														
	l -																
	TCR	D+ 201	FO	///	6												
	U =		<mark>50 ppm</mark> 50 ppm		G W		3911 pp		ovtond	ed operating	tompor	aturo ra	ongo ir	, class A	.)		
	0 -	. 1137	oo ppii	I/ IX	VV	– ri	2020 ht) /\\\(\(\)	exterio	eu operating	temper	ature ra	ange n	i Ciass A	١)		
		Resis	tance i	ce in Ω at 0°C													
			Size i	n mm													
				Ope	rating	tempe	rature	range									
				1	=	-50 °	C to + 1	50 °C		6	=	-200°	C to +	600 °C			
				2	=	-50 °	C to + 20	00 °C		7	=	-200	°C to +	- 750 °C	750 °C		
				3	=		°C to + 3			8	=			- 850 °C			
				4	=	-200	°C to + 4	400 °C		10	=	-70 °(C to +	1000 °C			
					Conv	nection											
					S	=	SIL				FK	=	Flat wire customer specific				
					I	=		ited wii	e		SW	=		rpendicular wire			
					K	=		ded wii	•								
					W	= Wire					Е	=	Enar	Enameled Cu-wire			
					FW	=	Flat w	rire			SE	=	Perp	endicul	ar er	nameled Cu-wire	
						Tole	rance c	lacc									
						A	=		0751 F	0 15			K	=	Cu	stomer-specific	
						В	=		0751 F				Р	=	Pai		
						С	=	IEC 6	IEC 60751 F0.6				G	=	Gr	oup	
						Υ	=	IEC 6	0751 F	0.1							
							1 .										
							Wire length in mm										
								Spec	ial								
								Т	=	Substrate	thicknes	s 0.25 n	nm	M	=	Metallized backside	
								D	=	Substrate	thicknes	s 0.38 n	nm	U	=	Inverted welding	
								R	=	Round hou	using			S	=	Special	
								W	=	Sintered p	owder						
Р		0K1.	520.	6	W.	B.	010.	S									



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