200 °C Series

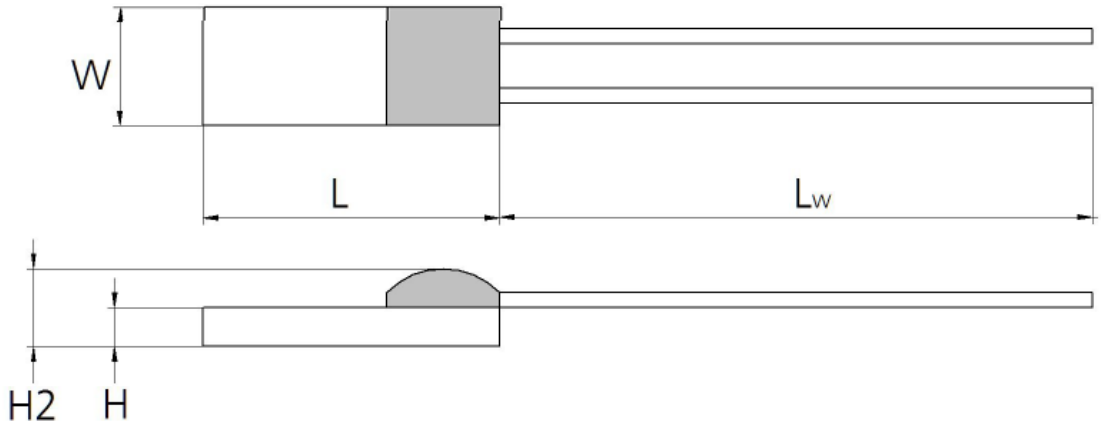
Platinum sensor with wires

For low temperatures

Benefits & characteristics

- Excellent long-term stability
- Low self-heating
- Long isolated wires
- Stranded wires available
- Fast response time
- Metallized backside available
- Customer-specific sensor available upon request

Illustration [1)]



[1)] for actual size see dimensions in order information

H = Substrate Height	H2 = Height	W = Width	L = Length	L_W = Wire length
Dimension tolerances:	W ±0.2 mm, L ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm, LW (up to 30 mm) ±1 mm			

Technical data

Operating temperature range:	-50 °C to +200 °C	
Nominal resistance:*	100 Ω at 0 °C 500 Ω at 0 °C 1000 Ω at 0 °C	
Characteristics curve:*	3850 ppm/K	
Long-term stability:	< 0.04 % at 1000 h at maximal operating temperature	
Tolerance class: * (dependent on temperature range)		**iST reference**
	IEC 60751 F0.15	A
	IEC 60751 F0.3	B
	IEC 60751 F0.6	C
	IEC 60751 F0.1	Y
Connection:*	Cu/Ag-single wire with PTFE (solderable, weldable, crimpable) Cu/Ag-stranded wire with PTFE (solderable, weldable, crimpable) Ag-wire, Ø 0.25 mm, metallized backside Cu/Ag wire, AWG30, PTFE insulated, insulation, wire ends stripped Cu/Ag wire, AWG34, PTFE insulated black	
Alternative wire construction:*	Inverted wires Extended wires	
Recommended applied current: [1)] [1)] Self-heating must be considered	1 mA at 100 Ω 0.5 mA at 500 Ω 0.3 mA at 1000 Ω	
Other alternatives:*	Metallized backside Housed in round ceramics (for dry environments only) Grouped and paired Substrate thickness	

* Customer-specific alternatives available

Order Information

Nominal Resistance	Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
2I (Cu/Ag-wire, AWG30, PTFE-insulated)							
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.1 (class Y)	On request	P1K0.202.2I.Y.100	100	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.15 (class A)	On request	P1K0.202.2I.A.100	100	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.3 (class B)	101611	P1K0.202.2I.B.100	100	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.1 (class Y)	On request	P1K0.202.2I.Y.150	150	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.15 (class A)	101544	P1K0.202.2I.A.150	150	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.3 (class B)	101545	P1K0.202.2I.B.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2I.Y.030	30	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	101317	P0K1.232.2I.A.030	30	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100894	P0K1.232.2I.B.030	30	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2I.Y.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	101092	P0K1.232.2I.A.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100443	P0K1.232.2I.B.050	50	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2I.Y.015	15	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2I.A.015	15	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100731	P1K0.232.2I.B.015	15	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	101085	P1K0.232.2I.Y.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	101225	P1K0.232.2I.A.050	50	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100958	P1K0.232.2I.B.050	50	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2I.Y.080	80	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2I.A.080	80	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101342	P1K0.232.2I.B.080	80	
100 Ω	420	4.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.420.2I.Y.015	15	
100 Ω	420	4.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.420.2I.A.015	15	
100 Ω	420	4.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101435	P0K1.420.2I.B.015	15	
100 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.516.2I.Y.030	30	
100 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.516.2I.A.030	30	
100 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.3 (class B)	100384	P0K1.516.2I.B.030	30	

Nominal Resistance	Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
100 Ω	516	5.0 x 1.6 x 0.4 / 1.05	F0.1 (class Y)	On request	P0K1.516.2I.Y.1000.D	1000	substrate thickness 0.4 mm
100 Ω	516	5.0 x 1.6 x 0.4 / 1.05	F0.15 (class A)	On request	P0K1.516.2I.A.1000.D	1000	substrate thickness 0.4 mm
100 Ω	516	5.0 x 1.6 x 0.4 / 1.05	F0.3 (class B)	100531	P0K1.516.2I.B.1000.D	1000	substrate thickness 0.4 mm
500 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K5.516.2I.Y.080	80	
500 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.15 (class A)	On request	P0K5.516.2I.A.080	80	
500 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.3 (class B)	100987	P0K5.516.2I.B.080	80	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.520.21.Y.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.21.A.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100173	P0K1.520.21.B.100	100	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.520.21.Y.050	50	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	100392	P1K0.520.21.A.050	50	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100391	P1K0.520.21.B.050	50	
100 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.538.2I.Y.060	60	
100 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.538.2I.A.060	60	
100 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.3 (class B)	100389	P0K1.538.2I.B.060	60	
500 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K5.538.2I.Y.035	35	
500 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.15 (class A)	On request	P0K5.538.2I.A.035	35	
500 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.3 (class B)	100236	P0K5.538.2I.B.035	35	
100 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.102.2I.Y.050	50	
100 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.102.2I.A.050	50	
100 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100742	P0K1.102.2I.B.050	50	
500 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K5.102.2I.Y.070	70	
500 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K5.102.2I.A.070	70	
500 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100241	P0K5.102.2I.B.070	70	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.102.2I.Y.045	45	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.102.2I.A.045	45	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100453	P1K0.102.2I.B.045	45	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.102.2I.Y.120	120	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.102.2I.A.120	120	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101286	P1K0.102.2I.B.120	120	

Nominal Resistance	Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
2I (Cu/Ag-wire, AWG30, PTFE-insulated, green, insulation strength: 250 V, wire ends 3 mm stripped)							
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.030.S	30	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.030.S	30	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155098	P1K0.520.2I.B.030.S	30	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.050.S	50	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100526	P1K0.520.2I.A.050.S	50	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100520	P1K0.520.2I.B.050.S	50	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.075.S	75	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.075.S	75	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155099	P1K0.520.2I.B.075.S	75	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.085.S	85	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100539	P1K0.520.2I.A.085.S	85	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100826	P1K0.520.2I.B.085.S	85	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.090.S	90	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.090.S	90	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155100	P1K0.520.2I.B.090.S	90	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.145.S	145	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100530	P1K0.520.2I.A.145.S	145	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100600	P1K0.520.2I.B.145.S	145	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.160.S	160	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.160.S	160	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155102	P1K0.520.2I.B.160.S	160	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.195.S	195	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100450	P1K0.520.2I.A.195.S	195	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100751	P1K0.520.2I.B.195.S	195	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.230.S	230	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.230.S	230	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155103	P1K0.520.2I.B.230.S	230	

Nominal Resistance	Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.295.S	295	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100540	P1K0.520.2I.A.295.S	295	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100562	P1K0.520.2I.B.295.S	295	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.340.S	340	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.340.S	340	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155104	P1K0.520.2I.B.340.S	340	

2I (Cu/Ag-wire, AWG32, PTFE-insulated)

100 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.1 (class Y)	On request	P0K1.161.2I.Y.050	50	
100 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.15 (class A)	On request	P0K1.161.2I.A.050	50	
100 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.3 (class B)	101200	P0K1.161.2I.B.050	50	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.1 (class Y)	On request	P1K0.161.2I.Y.150	150	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.15 (class A)	On request	P1K0.161.2I.A.150	150	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.3 (class B)	101199	P1K0.161.2I.B.150	150	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.1 (class Y)	On request	P1K0.161.2I.Y.750	750	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.15 (class A)	101302	P1K0.161.2I.A.750	750	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.6	F0.3 (class B)	100959	P1K0.161.2I.B.750	750	

2I (Cu/Ag-wire, AWG34, PTFE-insulated black)

100 Ω	308	3.0 x 0.8 x 0.6 mm	F0.1 (class Y)	On request	P0K1.308.2I.Y.100	100	
100 Ω	308	3.0 x 0.8 x 0.6 mm	F0.15 (class A)	152468	P0K1.308.2I.A.100	100	
100 Ω	308	3.0 x 0.8 x 0.6 mm	F0.3 (class B)	152469	P0K1.308.2I.B.100	100	
1000 Ω	308	3.0 x 0.8 x 0.6 mm	F0.1 (class Y)	On request	P1K0.308.2I.Y.100	100	
1000 Ω	308	3.0 x 0.8 x 0.6 mm	F0.15 (class A)	152464	P1K0.308.2I.A.100	100	
1000 Ω	308	3.0 x 0.8 x 0.6 mm	F0.3 (class B)	152466	P1K0.308.2I.B.100	100	
1000 Ω	308	3.0 x 0.8 x 0.6 mm	F0.1 (class Y)	On request	P1K0.308.2I.Y.135	135	
1000 Ω	308	3.0 x 0.8 x 0.6 mm	F0.15 (class A)	154175	P1K0.308.2I.A.135	135	
1000 Ω	308	3.0 x 0.8 x 0.6 mm	F0.3 (class B)	154200	P1K0.308.2I.B.135	135	

Nominal Resistance	Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
2I (Cu/Ag-wire, AWG34, PTFE-insulated black, ends 29.5 mm stripped)							
1000 Ω	308	3.0 x 0.8 x 1 mm	F0.1 (class Y)	On request	P1K0.308.2I.Y.060.S	60	
1000 Ω	308	3.0 x 0.8 x 1 mm	F0.15 (class A)	153804	P1K0.308.2I.A.060.S	60	
1000 Ω	308	3.0 x 0.8 x 1 mm	F0.3 (class B)	153785	P1K0.308.2I.B.060.S	60	
2L (Cu/Ag-stranded wire, AWG28/7, PTFE-insulated)							
100 Ω	202	2.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.202.2L.Y.010	10	
100 Ω	202	2.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.202.2L.A.010	10	
100 Ω	202	2.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101043	P0K1.202.2L.B.010	10	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100522	P0K1.232.2L.B.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.100	100	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.100	100	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100405	P0K1.232.2L.B.100	100	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100394	P0K1.232.2L.B.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.1500	1500	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.1500	1500	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100914	P0K1.232.2L.B.1500	1500	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2L.Y.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2L.A.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100346	P1K0.232.2L.B.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2L.Y.200	200	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2L.A.200	200	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100810	P1K0.232.2L.B.200	200	

Nominal Resistance	Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.520.2L.Y.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.2L.A.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101284	P0K1.520.2L.B.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.520.2L.Y.250	250	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.2L.A.250	250	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100590	P0K1.520.2L.B.250	250	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.102.2L.Y.270	270	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.102.2L.A.270	270	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100431	P1K0.102.2L.B.270	270	

2W (Ag-wire, Ø 0.25 mm, metallized backside)*

100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2W.Y.010.M	10	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	100727	P0K1.232.2W.A.010.M	10	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100434	P0K1.232.2W.B.010.M	10	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2W.Y.010.M	10	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2W.A.010.M	10	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101261	P1K0.232.2W.B.010.M	10	

*Operating Temperature range: -200 °C to +200 °C

Additional Documents

Application Note	Document name: APT_E

Order Information

Platinum Sensor - Secondary reference

Material

P	=	Platinum

TCR

	=	Pt 3850 ppm/K	G	=	Pt 3911 ppm/K
U	=	Pt 3750 ppm/K	W	=	Pt 3850 ppm/K (extended operating temperature range in class A)

Resistance in Ω at 0°C

Size in mm

Operating temperature range

1	=	-50 °C to + 150 °C	6	=	-200°C to + 600 °C
2	=	-50 °C to + 200 °C	7	=	-200 °C to + 750 °C
3	=	-200 °C to + 300 °C	8	=	-200 °C to + 850 °C
4	=	-200 °C to + 400 °C	10	=	-70 °C to + 1000 °C

Connections

S	=	SIL	FK	=	Flat wire customer specific
I	=	Insulated wire	SW	=	Perpendicular wire
K	=	Extended wire	L	=	Insulated stranded wire
W	=	Wire	E	=	Enameled Cu-wire
FW	=	Flat wire	SE	=	Perpendicular enamelded Cu-wire

Tolerance class

A	=	IEC 60751 F0.15	K	=	Customer-specific
B	=	IEC 60751 F0.3	P	=	Pair
C	=	IEC 60751 F0.6	G	=	Group
Y	=	IEC 60751 F0.1			

Wire length in mm

Special

T	=	Substrate thickness 0.25 mm	M	=	Metallized backside
D	=	Substrate thickness 0.38 mm	U	=	Inverted welding
R	=	Round housing	S	=	Special
W	=	Sintered powder			

P		0K1.	232.	2	W.	A.	010.	M

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