



200 °C Series



Platinum sensor with wires



For low temperatures



Benefits & characteristics



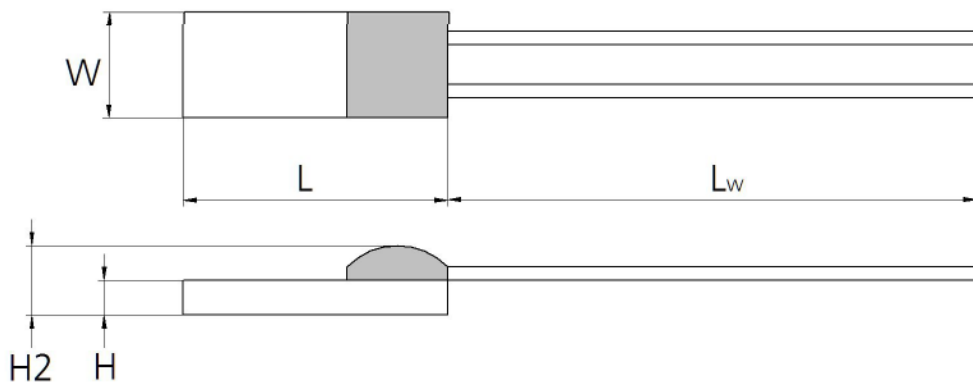
- Excellent long-term stability
- Low self-heating
- Long isolated wires
- Stranded wires available



- Fast response time
- Metallized backside available
- Customer-specific sensor available upon request



Illustration ¹⁾



¹⁾ for actual size see dimensions in order information



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: * **iST reference**

(dependent on temperature range)

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 mA at 100 Ω

1)Self-heating must be considered

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	P0K1.520.2I.Y.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.2I.A.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100173	P0K1.520.2I.B.100	100	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.050	50	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	100392	P1K0.520.2I.A.050	50	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100391	P1K0.520.2I.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
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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, $\varnothing$ 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 3840 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	=	Customer-specific	L	=	Insulated stranded wire
W	=	Wire	E	=	Enameled Cu-wire
FW	=	Flat 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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