

PG Series













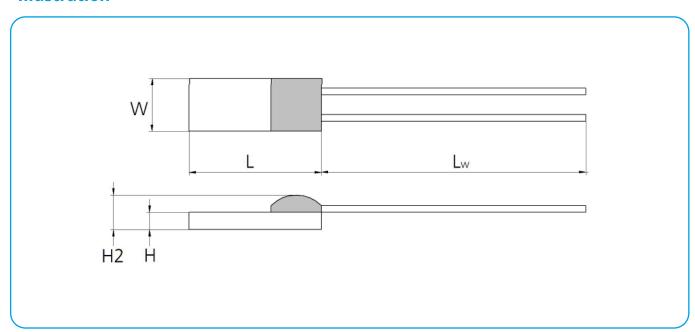


For applications with GOST-coefficient 3911 ppm/K

Benefits & characteristics

- Capable of measuring in class A up to +600 °C
- Short-term applicable up to +750 °C
- Very low hysteresis
- Very stable characteristics curve
- GOST norm compatible (3911 ppm/K characteristics
- Available with same dimensions as a wire-wound sensor
- Customer-specific sensor available upon request

Illustration 1)



¹⁾ for actual size see dimensions in order information



Technical data















-200 °C to +600 °C							
50 Ω at 0 °C							
$100~\Omega$ at 0 °C							
500 Ω at 0 °C							
1000 Ω at 0 °C							
3911 ppm/K							
< 0.04 % at 1000 h at maximal operating temperature							
iST							
reference							
GOST 8.625-2006 F0.15 A -200 °C to +600 °C							
GOST 8.625-2006 F0.3 B -200 °C to +600 °C							
GOST 8.625-2006 F0.6 C -200 °C to +600 °C							
GOST 8.625-2006 F0.1 Y -200 °C to +500 °C							
Pt wire, Ø 0.2 mm (solderable, weldable, crimpable) -200 °C to +600 °C							
Pt/Ni clad wire, Ø 0.2 mm (solderable, weldable, crimpable) -200 °C to +400 °C							
Inverted wires							
0.2 mA at 100 Ω							
0.09 mA at 500 Ω							
0.06 mA at $1000~\Omega$							
0.00 IIIA dt 1000 12							

Grouped and paired

^{*} 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
4K (Pt/N	li-wire,	Ø 0.2 mm)					
50 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.1 (class Y)	On request	PG050.216.4K.Y.010	10	
50 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.15 (class A)	101120	PG050.216.4K.A.010	10	
50 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.3 (class B)	101121	PG050.216.4K.B.010	10	
100 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.1 (class Y)	101230	PG0K1.216.4K.Y.010	10	
100 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.15 (class A)	101122	PG0K1.216.4K.A.010	10	
100 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.3 (class B)	101123	PG0K1.216.4K.B.010	10	
500 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.1 (class Y)	On request	PG0K5.216.4K.Y.010	10	
500 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.15 (class A)	On request	PG0K5.216.4K.A.010	10	
500 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.3 (class B)	101149	PG0K5.216.4K.B.010	10	
7W (Pt-v	vire, Ø ().2 mm)					
50 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.1 (class Y)	On request	PG050.216.7W.Y.007	7	
50 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.15 (class A)	On request	PG050.216.7W.A.007	7	
50 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.3 (class B)	101255	PG050.216.7W.B.007	7	
100 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.1 (class Y)	101256	PG0K1.216.7W.Y.007	7	
100 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.15 (class A)	101125	PG0K1.216.7W.A.007	7	
100 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.3 (class B)	101126	PG0K1.216.7W.B.007	7	
500 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.1 (class Y)	101137	PG0K5.216.7W.Y.007	7	
500 Ω	216	2.4 x 1.4 x 0.45 / 0.8	F0.15 (class A)	On request	PG0K5.216.7W.A.007	7	

500 Ω

216

2.4 x 1.4 x 0.45 / 0.8

F0.3 (class B)

On request

PG0K5.216.7W.B.007

7























R (in round ceramic housing, Pt/Ni-wire, Ø 0.2 mm)

100 Ω	281	2.8 x 13	F0.1 (class Y)	On request	PG0K1.281.4K.Y.006.R	6
100 Ω	281	2.8 x 13	F0.15 (class A)	On request	PG0K1.281.4K.A.006.R	6
100 Ω	281	2.8 x 13	F0.3 (class B)	On request	PG0K1.281.4K.B.006.R	6

R (in round ceramic housing, Pt-wire, Ø 0.2 mm)

100 Ω	281	2.8 x 13	F0.1 (class Y)	On request	PG0K1.281.7W.Y.004.R	4
100 Ω	281	2.8 x 13	F0.15 (class A)	104065	PG0K1.281.7W.A.004.R	4
100 Ω	281	2.8 x 13	F0.3 (class B)	104064	PG0K1.281.7W.B.004.R	4

Additional Documents

Application Note Document name: APT_E



Order Information

Platinum Sensor - Secondary reference















Mate	rial																	
Р	=	Pla	tinum	1														
	TCF		D. 20		117													
	U			50 ppm 50 ppm		G W												
	U	_	PL 37:	oo ppiii	I/ N	VV	= Pt 3850 ppm/K (extended operating temperature range in class A)											
	Resistance in Ω at 0°C																	
			Size in mm															
		Operating temperature range																
					1	=		C to + 1				6	=	-200°	C to +	600 °C		
					2	=	-50 °(C to + 2	00 °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 + 1	1000 °C		
						1 -												
							nection						ΓI/	_	Flat :			ou an o sifi a
						S	=	SIL	ited wi	ro			FK SW	=	Flat wire customer specific Perpendicular wire			
						K	=		ded wi				L	=				ed wire
						W	=	Wire					E	=				
						FW	=	Flat w	vire				SE	=	Perp	endicul	ar er	nameled Cu-wire
								ance c										
							A	=		0751 F					K	=		stomer-specific
							В	=		0751 F 0751 F					P G	=	Pai	
							Υ	=		0751 F					G	=	Gr	oup
									ILC 0	0/511	0.1							
								Wire	length	in mn	n							
									ı									
									Spec					0.05				
									Т	=				0.25 m		М	=	Metallized backside
									D	=				0.38 m	nm	U	=	Inverted welding
									R	=	Round					S	=	Special
									W	=	Sintere	ea pov	waer					
Р	G	()K1.	281.	7	W.	В.	004.	R									
'	J	Ι,		201.	l '	**.	٥.	004.	11									



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