

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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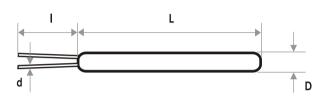
Heraeus

1 Pt100 KN 1515

The KN Series Ceramic Wire Wound PRTDs are suitable for general applications requiring temperature stability.

Applications: Industrial resistance thermometers, especially in chemical, power generation plants and analytical equipment.

Construction: A platinum coil is sealed inside a high purity aluminum oxide ceramic body. Lead wires are shear force resistant and assure proper connection to extension leads and cables.



in one ceramic body

Status: HSTUSA 06/16

Models												
Description	Tolerance IEC 60751	Order No.	Dimensions mm			Self Heating O°C (K/mW)	Responso Water current V=0.4m/s		e time Air stream V=3m/s			
			L	D	d	1		t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}	
1Pt100 KN 1515	W0.3 W0.15 W0.1 W0.03	32.206.455 32.206.456 32.206.457 32.206.112	15-2	1.5±0.15	0.20±0.01	10.0±0.5	0.08	0.2	0.4	5.0	15.7	
1Pt100 KN 1515 G	W0.3 W0.15 W0.1	32.206.901 32.206.902 32.206.903	15 ⁺² ₋₀	1.5±0.15	0.27±0.01	10.0±0.5	0.08	0.2	0.4	5.0	15.7	

Technical Specification						
Nominal resistance:	100 Ohm @ 0 °C	Insulation resistance	> 100 M0hm @ 25 °C			
Temperature range:	W0.3 (Class B) = -196 to +660 $^{\circ}$ C	after assembly:				
	W0.15 (Class A) = -196 to +600 °C	Measuring current:	1 mA			
	(Heraeus exceeds IEC 60751: -100 to +450 °C)	Tolerance class:	- According to IEC 60751:2008			
	W0.1 (Class 1/3 B) = -100 to +350 °C		- Other standards and narrower tolerances are available on request			
	W0.03 (Class 1/10 B) = -50 to +300 $^{\circ}$ C (Special HST Class proportional to W0.3)	Temperature stability:	: Excellent long-term stability			
Temperature coefficient:	Tc = 3850 ppm/K	Also available:	- Platinum-gold alloy - Different temperature coefficients (3916 ppm/K - old JIS)			
Leads:	Palladium-gold alloy		Extension leadsTwo separated coils can be embedded			

Heraeus Sensor Technology USA

The measuring point is located at 8 mm from the end of the sensor body

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