

## Platinum Resistance Temperature Detector

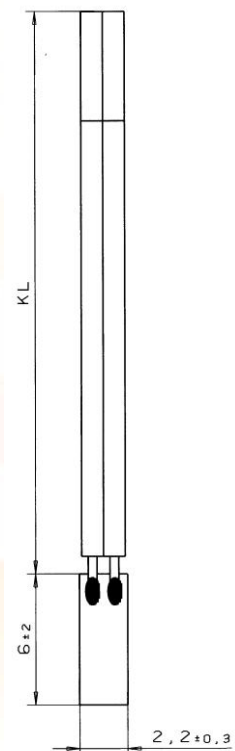
L 622 DBC

L series PRTDs, type L 622 DBC are designed for large volume applications where longterm stability, interchange ability and accuracy over a large temperature range are vital. The high resistance value of 1000 Ohm generates a high signal yield. Typical applications are Automotive, White goods, HVAC, Energy management, Medical and Industrial equipment.

Nominal Resistance R0	Tolerance DIN EN 60751 1996-07	Tolerance DIN EN 60751 2009-05	Order Number Plastic Box
1000 Ohm at 0°C	Class B	F 0.3	32 200 018

The measuring point for the nominal resistance is situated on the connections of the sensor body

<b>Specification</b>	DIN EN 60751	
<b>Temperature range</b>	-40°C to +160°C Tolerance Class B: -40°C up to +160°C	
<b>Temperature coefficient</b>	TC = 3850 ppm/K	
<b>Leads</b>	Cord, silicon isolated AWG 30	
<b>Wire lengths (KL)</b>	70 to 500mm, customer connection engraved	
<b>Long- term stability</b>	max. R <sub>0</sub> -Drift 0.04 % after 1500 h at 160°C	
<b>Vibration resistance</b>	at least 40g acceleration at 10 to 2000 Hz, depends on installation	
<b>Shock resistance</b>	at least 100g acceleration with 8ms half sine wave, depends on installation	
<b>Environmental conditions</b>	max. 80% rel. humidity; durability against non-conductive media	
<b>Self heating</b>	0.4 K/mW at 0°C	
<b>Response time</b>	water current (v= 0.4m/s):	t <sub>0,5</sub> = 0.20s t <sub>0,9</sub> = 0.30s
	air stream(v= 2m/s):	t <sub>0,5</sub> = 3.4s t <sub>0,9</sub> = 11.0s
<b>Measuring current</b>	1000Ω: 0.1 to 0.3mA (self heating has to be considered)	
<b>Note</b>	Other tolerances, values of resistance and wire lengths are available on request.	



We reserve the right to make alterations and technical data printed. All technical data serves as a guideline and does not guarantee particular properties to any products.

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