

Platinum Resistance Temperature Detector

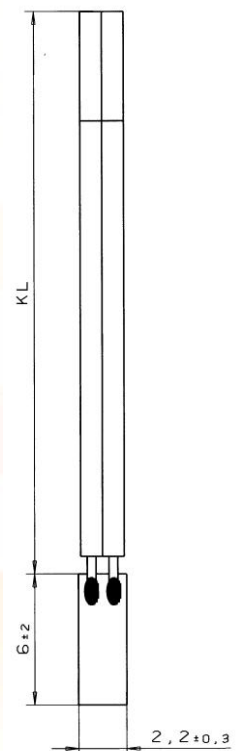
L 622 DBC

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	Lead Length KL
1000 Ohm at 0°C	Class B	F 0.3	32 200 018	160mm
1000 Ohm at 0°C	Class B	F 0.3	32 200 023	250mm

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

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