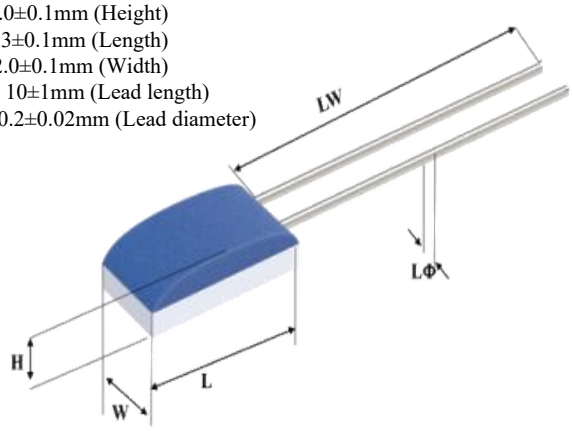
H = 1.0±0.1mm (Height)
L = 2.3±0.1mm (Length)
W = 2.0±0.1mm (Width)
LW = 10±1mm (Lead length)
Lφ = 0.2±0.02mm (Lead diameter)



*The nominal resistance measurement point is 8mm away from the component body

MAIN FEATURES

- **PT100 series thin film platinum resistors have the advantages of small size, high precision and good long-term stability.**
- **It has the characteristics of anti-vibration and anti-shock.**
- **The product can be subdivided into regular ultra low and high temperature series, covering the temperature range of -200 to 650°C.**
- **It can be used in many connection ways, such as resistance welding, argon arc welding, pressure welding, brazing and so on.**
- **Widely used in automotive, instrumentation, household appliances, new energy and other fields.**

TECHNICAL INDEX

Performance parameters	Thin film platinum resistance series	Component size	2.0x2.3x1.0mm 1.6x2.0x1.0mm 1.2x2.0x1.0mm
Lead specifications	Length:10mmm; Diameter:0.2mm	Lead material	Platinum nickel; Silver target; Pure Platinum; Sterling silver;
Lead tension	≥9N	Insulation impedance	>100MΩ at 20°C、> 2MΩ at 500°C
Temperature coefficient (TCR)	3850ppm/°C	Working current	0.3- 1mA (Self-heating should be considered)
Long-term stability	After 1000 hours at 500°C , the resistance shift of R(0°C) is less than0.04%		
Response time	Water flow(v=0.4m/s) $\tau_{0.5}$=0.1s $\tau_{0.9}$=0.3s	Airflow(v=2m/s)	$\tau_{0.5}$=5s $\tau_{0.9}$=15s
Natural coefficient	0°C 0.4°C/mW	Anti-vibration	Frequency acceleration ≥40g from 10 to 2000Hz
Impact resistant	8ms half sine wave acceleration ≥100g	Package	Vacuum plastic packaging (Provide other packaging forms as required)
Others	Substrate size, basic resistance value, lead specifications (can be provided upon request)		

REFERENC E SELECTION

Type	Range of application	Classes	$R_0(\Omega)$	Temperature range	Accuracy
Pt100-N500	-70~+500°C	1/10B	100±0.01	0~+100°C	±(0.03+0.0005|T|)
		1/3B	100±0.04	0~+150°C	±(0.1+0.0017|T|)
		A	100±0.06	-50~+300°C	±(0.15+0.002|T|)
		B	100±0.12	-70~+500°C	±(0.3+0.005|T|)
		2B	100±0.24	-70~+500°C	±(0.6+0.01|T|)
Pt100-GW650	-70~+650°C	B	100±0.12	-70~+650°C	±(0.3+0.005|T|)
		2B	100±0.24	-70~+650°C	±(0.6+0.01|T|)
Pt100-DW200	-200~+150°C	B	100±0.12	-200~+150°C	±(0.3+0.005|T|)
		2B	100±0.24	-200~+150°C	±(0.6+0.01|T|)

Note * : the marked classes and temperature measurement accuracy refer to the IEC60751 standard. T is the measured temperature.