Pt1000 Medium Temperature-M3912/M2820

Benefits and Characteristics

- Long-term stability
- High temperature accuracy
- Quick response time
- Anti-temperature shock
- Compact size
- Good vibration resistance
- Low self-heating effect
- Support users customization

Working temperature range: -70℃~+500℃

Connection Technology:
tin welding、brazing、argon fluorine welding、hot pressure welding、resistance welding, etc。

Application Industries: Instrumentation、Internet of Things、Medical device、Aerospace、domestic appliance、New energy。

Component dimensions and tolerances(mm):

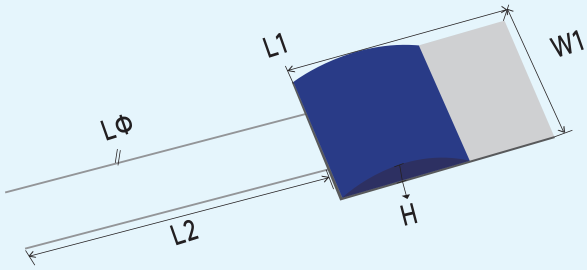
Pt1000 M3912:
L1×W1×H=(3.9±0.2)mm×(1.2±0.2)mm×(0.9±0.2)mm

Pt1000 M2820:
L1×W1×H=(2.8±0.2)mm×(2.0±0.2)mm×(1.0±0.2)mm

Lead specification and tolerances:

Pt1000 M3912: LΦ×L2=(0.15±0.02)mm×(7±1)mm

Pt1000 M2820: LΦ×L2=(0.2±0.02)mm×(7±1)mm



Technical Specifications

Nominal resistance	1000Ω	TCR	3851ppm/℃
Tensile Strength of Leads	≥9N	Lead Type	Platinum nickel composite silk materia
Long-term stability	<0.05% at 1000 Hr at 500℃		
Thermal response time	Boiling water (v=0.4m/s) τ0.5≤0.07s τ0.632≤0.1s Airflow (v=2m/s) τ0.5≤2.5s τ0.632≤4s		
Recommended working current	≤0.3mA	Seismic resistance	40g
Insulation Resistance	Room temperature≥100MΩ 500℃>2MΩ	Plastic vacuum packaging Provide other forms of packaging as required	