Pt100 Medium Temperature -M2312/M2016/M2320

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℃
(Short term 550 ℃)

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

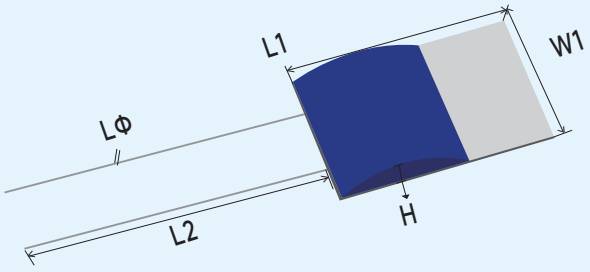
Application Industries: Instrumentation、Energy storage、Medical device、Aerospace、refrigeration plant、domestic appliance、New energy。

Component dimensions and tolerances(mm):

Pt100 M2312:
L1×W1×H=(2.3±0.2)mm×(1.2±0.2)mm×(1.0±0.2)mm
Pt100 M2016:
L1×W1×H=(2.0±0.2)mm×(1.6±0.2)mm×(0.9±0.2)mm
Pt100 M2320:
L1×W1×H=(2.3±0.2)mm×(2.0±0.2)mm×(1.0±0.2)mm

Lead specification and tolerances:

Pt100 M2312: LΦ×L2=(0.15±0.02)mm×(7±1)mm
Pt100 M2016: LΦ×L2=(0.2±0.02)mm×(7±1)mm
Pt100 M2320: LΦ×L2=(0.2±0.02)mm×(7±1)mm
or(0.2±0.02)mm×(10±1)mm



Technical Specifications

Nominal resistance	100Ω	TCR	3851ppm/°C
Tensile Strength of Leads	≥9N	Lead Type	Platinum nickel composite silk materia
Long-term stability	<0.05% at 1000 Hr at 500°C		
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	≤1mA	Seismic resistance	40g
Insulation Resistance	Room temperature≥100MΩ 500°C>2MΩ	Plastic vacuum packaging Provide other forms of packaging as required	