

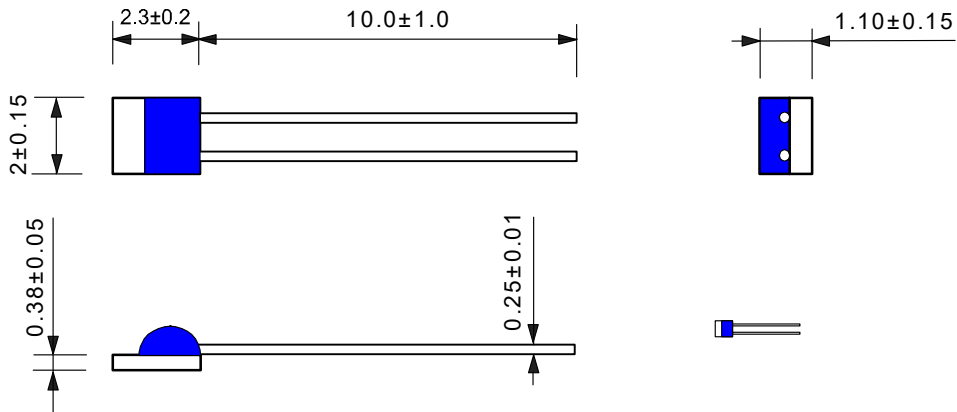
Type:
PRTD1-1K-B



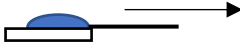
Version: A00
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PT- RTD SENSOR

Dimension (mm)
Proportion 5:1



Technical Data:

Characteristic	DIN EN 60751
Nominal Resistance at 0°C	1000.00 Ohm
Resistance Tolerance at 0°C	± 1.20 Ohm (class B (F0.30))
Temperature Coefficient of Resistance (0°C, 100°C)	3851 ppm/°C
Maximum Deviation of Nominal Characteristic	± 0.3°C + 0.005 x ϑ (°C)
Temperature Range B (F0.30)	-70°C....+600°C
Operating Temperature (note below)	-200°C....+600°C
Selfheating Coefficient (in air 1m/sec)	0.5°C/mW
Response Time $t_{0.9}$ (in water 0.4 m/sec)	0.20s
Response Time $t_{0.9}$ (in air 1m/sec)	10s
Measuring Current (recommended)	≤0.4mA
Diameter Sensor	≤ 2.45 mm
Leadwire	Ni Ø 0.25 mm
Pull Stregth 	≥ 8N

Please note: operating temperature from -200°C....+600°C possible, but with a single clear exceeding the temperature of the specified tolerance class, the specified tolerance class can no longer be guaranteed. If you exceed the recommended self-heating current you might falsify the result of measurement.

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Approved (Z:
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