

High Humidity Environments Probe (MRBD)

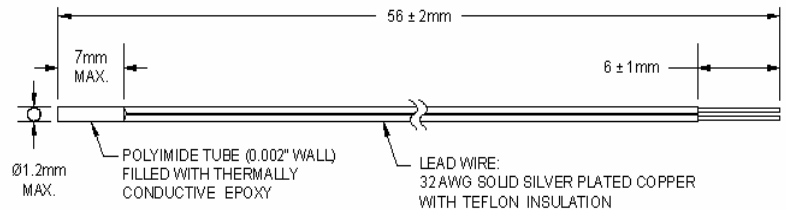
2.2 to 100K Ohms Resistance @25°C
 ±0.2°C Tolerance from 0°C to +70°C
 High degree of Resistance to
 Moisture and High Humidity
 Environments
 Fast Time Response



Dimensions

MRBD PROBE

NTC thermistor soldered to 32 AWG Solid Silver Plated Copper Wire with Teflon Insulation. Unit is potted in a polyimide tube with thermally conductive epoxy.



FEATURES

- 2.2K to 100K Ohms Resistance @25°C
- Supplied with ±0.2°C tolerance from 0 to +70°C
- High degree of resistance to moisture and high humidity environments (Standard IEC 60068-2-3)
- Custom tolerances available
- Rapid time response (400 milliseconds in liquids)
- Temperature range -40°C to +100°C
- RoHS Compliant

APPLICATIONS

- Small biomedical probes and catheter assemblies
- Micro-flow sensing
- Instrumentation and specialist probes
- Temperature monitoring in communication systems

High Humidity Environments Probe (MRBD)

Product Definition

Part Number	Resistance [Ω] @+25°C	Tolerance from 0°C to +70°C	Beta Value 25/85	Tolerance on Beta Value	Time response in liquids [milliseconds]	Dissipation Constant in still air [mW/°C]	Temperature Range
2.2K3MRBD1	2,252	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
3K3MRBD1	3,000	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
5K3MRBD1	5,000	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
10K3MRBD1	10,000	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
100K6MRBD1	100,000	±0.2°C	4261	±0.5°C	400	0.5	-40°C to +100°C

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