High Humidity Environments Probe (MRBD)

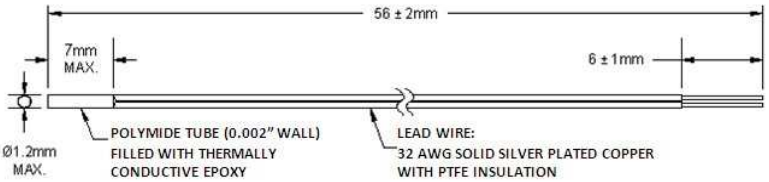
RoHS

2.2 to 100K Ohms Resistance @25ºC
±0.2ºC Tolerance from 0ºC to +70ºC
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 PTFE Insulation. Unit is potted in a polyimide tube with thermally conductive epoxy.



FEATURES

- 2.2K to 100K Ohms Resistance @25ºC
- Supplied with ±0.2ºC tolerance from 0 to +70ºC
- 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 -40ºC to +100ºC
- 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] @+25ºC	Tolerance from 0ºC to +70ºC	Beta Value 25/85	Tolerance on Beta Value	Time response in liquids [milliseconds]	Dissipation Constant in still air [mW/ºC]	Temperature Range
2.2K3MRBD1	2,252	±0.2ºC	3976	±0.5ºC	400	0.5	-40ºC to +100ºC
3K3MRBD1	3,000	±0.2ºC	3976	±0.5ºC	400	0.5	-40ºC to +100ºC
5K3RMBD1	5,000	±0.2ºC	3976	±0.5ºC	400	0.5	-40ºC to +100ºC
10K3MRBD1	10,000	±0.2ºC	3976	±0.5ºC	400	0.5	-40ºC to +100ºC
100K6MRBD1	100,000	±0.2ºC	4261	±0.5ºC	400	0.5	-40ºC to +100ºC

Ordering Information

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