

# High Humidity Environments Probe (MRBD)

✓RoHS

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

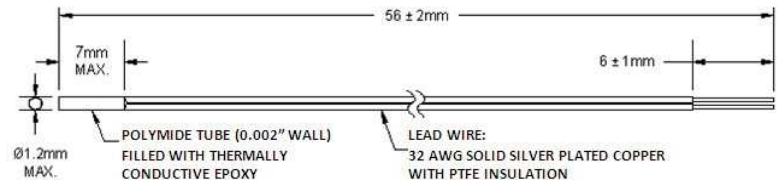
Fast Time Response



## Dimensions

### MRBD PROBE

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



### FEATURES

- 2.2K to 100K Ohms Resistance @25°C
- Supplied with  $\pm 0.2^\circ\text{C}$  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  $-40^\circ\text{C}$  to  $+100^\circ\text{C}$
- 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
<a href="#">2.2K3MRBD1</a>	2,252	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
<a href="#">3K3MRBD1</a>	3,000	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
<a href="#">5K3MRBD1</a>	5,000	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
<a href="#">10K3MRBD1</a>	10,000	±0.2°C	3976	±0.5°C	400	0.5	-40°C to +100°C
<a href="#">100K6MRBD1</a>	100,000	±0.2°C	4261	±0.5°C	400	0.5	-40°C to +100°C

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