

Mini BetaCURVE Probes (MBD)

2.2K to 1M Ohms Resistance @25°C
 ±0.2°C Tolerance from 0°C to +70°C
 Fast Time Response
 Small Tip Diameter

✓RoHS



MBD PROBE

NTC thermistor soldered to 30 AWG Solid Silver Plated Copper Wire with PVDF Insulation. Unit is potted in a polyimide tube with thermally conductive black epoxy.

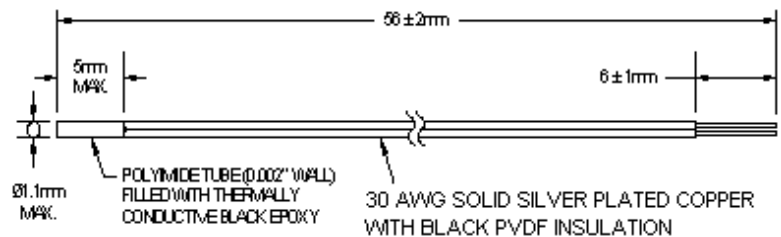
FEATURES

- 2.2K to 1M Ohms Resistance @25°C
- Supplied with ±0.2°C tolerance from 0 to +70°C
- Custom tolerances available
- Rapid time response (400 milliseconds in liquids)
- Temperature range -40°C to +125°C
- RoHS Compliant

APPLICATIONS

- Small medical probes
- Micro-flow sensing
- Localized temperature sensing

Dimensions



Mini BetaCURVE Probes (MBD)

Product Definition

Part Number	Resistance [Ω] @+25°C	Beta Value 25/85	Time response in liquids [milliseconds]	Dissipation Constant in still air [mW/°C]	Temperature Range
2.2K3MBD1	2,252	3976	400	0.5	-40°C to +125°C
3K3MBD1	3,000	3976	400	0.5	-40°C to +125°C
5K3MBD1	5,000	3976	400	0.5	-40°C to +125°C
10K3MBD1	10,000	3976	400	0.5	-40°C to +125°C
10K4MBD1	10,000	3694	400	0.5	-40°C to +125°C
30K5MBD1	30,000	3942	400	0.5	-40°C to +125°C
30K6MBD1	30,000	4261	400	0.5	-40°C to +125°C
50K6MBD1	50,000	4261	400	0.5	-40°C to +125°C
100K6MBD1	100,000	4261	400	0.5	-40°C to +125°C
1M9MBD1	1,000,000	4799	400	0.5	-40°C to +125°C

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