

# 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



## MBD PROBE

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

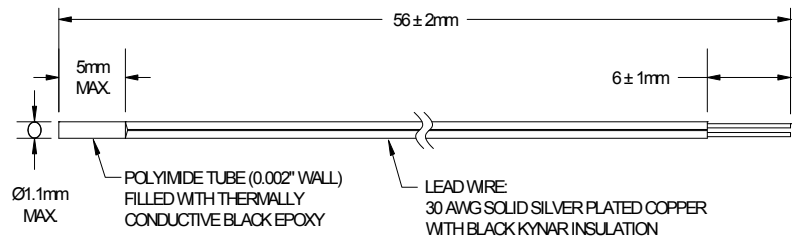
## FEATURES

- 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 |
|---------------------------|-----------------------|------------------|---|---|-------------------|
| <a href="#">2.2K3MBD1</a> | 2,252                 | 3976             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">3K3MBD1</a>   | 3,000                 | 3976             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">5K3MBD1</a>   | 5,000                 | 3976             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">10K3MBD1</a>  | 10,000                | 3976             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">10K4MBD1</a>  | 10,000                | 3694             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">30K5MBD1</a>  | 30,000                | 3942             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">30K6MBD1</a>  | 30,000                | 4261             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">50K6MBD1</a>  | 50,000                | 4261             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">100K6MBD1</a> | 100,000               | 4261             | 400                                     | 0.5                                       | -40°C to +125°C   |
| <a href="#">1M9MBD1</a>   | 1,000,000             | 4799             | 400                                     | 0.5                                       | -40°C to +125°C   |

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