

Micro BetaCHIP Probes (MCD)

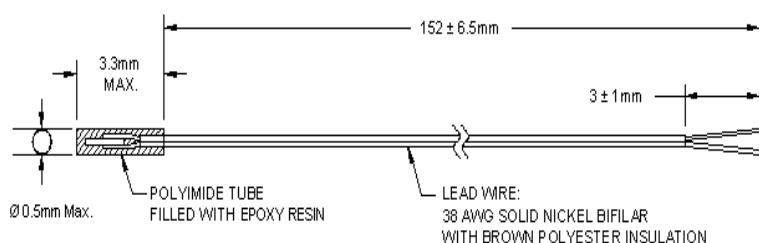
2 to 100K Ohms Resistance @25°C
 $\pm 0.2^\circ\text{C}$ Tolerance from 0°C to +70°C
 Fast Time Response
 Small Tip Diameter



MCD PROBE

NTC thermistor soldered to 38 AWG Solid Nickel Bifilar with Polyester Type Insulation. Unit is potted in a polyimide tube with thermally conductive epoxy.

Dimensions



FEATURES

- 2 to 100K Ohms Resistance @25°C
- Supplied with $\pm 0.2^\circ\text{C}$ tolerance @ +25°C
- Custom tolerances available
- Smaller than mini BetaCURVE device
- Rapid time response (200 milliseconds in liquids)
- Temperature range -40°C to +125°C
- RoHS Compliant

APPLICATIONS

- Low volume flow sensors (liquids or gases)
- Laboratory animal research
- Peltiere temperature tracking sensors
- Temperature control for bath showers
- DNA research sensors
- Medical catheters

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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
<u>2K7MCD1</u>	2,000	3499	200	0.3	-40°C to +125°C
<u>10K3MCD1</u>	10,000	3976	200	0.3	-40°C to +125°C
<u>100K6MCD1</u>	100,000	4261	200	0.3	-40°C to +125°C

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