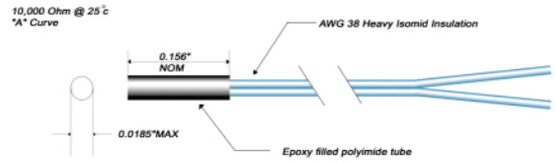
LSMC 10K
10,000 Ohms at 25℃"A" Curve



FEATURES:

- Interchangeable or Point Matched tolerances
- Fast response accuracy to ±0.1℃
- Custom designs at a low cost
- Potted with epoxy in a polymide tube
- Operatable with YSI 400 and 700 temperature monitor instruments.

These tiny thermistors can be used in Life Science applications that require fast response and small size. Since they are available in many custom options they can be used in unlimited temperature sensing applications in any industry.

SPECIFICATIONS

Temperature rating/ recommended operating ranges	LSMC Series thermistors may be intermittently cycled at temperatures from −50°C to 150°C. Optimum stability is achieved when they are stored at temperatures less than 50°C and operated continuously in temperatures less than 100°C. For Interchangeable LSMC Series thermistors optimum stability is achieved when they are operated at temperatures within the specified temperature range.
R/T curves	LSMC Series is manufactured with "A" R/T curve material. Detailed curve material information on pages 22-24 .
Dissipation constant	0.3mW/℃ in still air 2.5mW/℃ in stirred oil
Thermal time constant	Typically 0.25 second in stirred oil

Tolerances	± 0.10°C ± 0.20°C ± 0.25°C ± 0.50°C ± 1.00°C ± 1% ± 2% ± 5% ± 10%
Custom options	Lead materials: AWG 38 nickel alloy or copper conductors with heavy isomid insulation, parallel bonded configuration. Parylene coating is available which provides a thin coating resistant to corrosion and humidity.

To order specify:

- Series LSMC
- Tolerance
- Lead material and length