



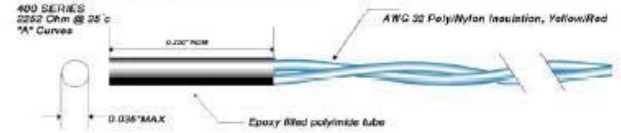
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Life Sciences & Miniature Temperature Probes

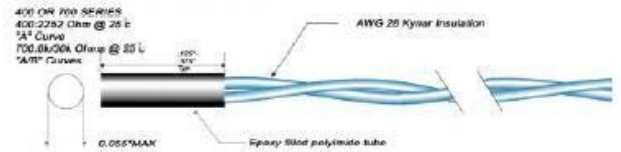
LSMN Mini Series



LSMN 400 OR 700 Series
 400: 2252 Ohms at 25°C "A" Curve
 700: 6k Ohms at 25°C A Curve
 30k Ohms at 25°C B Curve



LSMN 400 Series
 2252 Ohms at 25°C "A" Curve



FEATURES:

- Interchangeable or Point Matched tolerances
- Fast response accuracy to $\pm 0.1^\circ\text{C}$
- Custom designs at a low cost
- Potted with epoxy in a polyimide 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 | LSMN Mini 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 LSMN Mini Series thermistors optimum stability is achieved when they are operated at temperatures within the specified temperature range. | Tolerances | $\pm 0.10^\circ\text{C}$ $\pm 0.20^\circ\text{C}$ $\pm 0.25^\circ\text{C}$ $\pm 0.50^\circ\text{C}$ $\pm 1.00^\circ\text{C}$ $\pm 1\%$ $\pm 2\%$ $\pm 3\%$ $\pm 5\%$ $\pm 10\%$ |
| R/T curves | LSMN Mini Series is manufactured with "A" and "B" R/T curve materials. Detailed curve material information on page 24-26. | Dissipation constant | 1.5 mW/ $^\circ\text{C}$ in still air 10 mW/ $^\circ\text{C}$ in stirred oil |
| | | Thermal time constant | Typically 0.4 second in stirred oil |
| | | Custom options | Various lead materials, termination lengths |

To order specify:

- Series
- Tolerance
- Resistance@25°C
- Curve
- Diameter
- Lead length, gauge and material
- Termination

Example: LSMN700, 0.2°C Tolerance, Curve B, 20" AWG 28 Polynylon, Molex part number connector