



135-503LAG-J01 Discrete Thermistors

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135 Series, glass encapsulated chip DO-35 type, 50,000 Ohm resistance, $\pm 10.0\%$ tolerance, 25/85 BETA = 3974

Actual product appearance may vary.

Description

135 Series Thermistors are high-quality, hermetically-sealed, glass-encapsulated units in an axial lead package. They cover the full temperature range of $-60\text{ }^{\circ}\text{C}$ to $300\text{ }^{\circ}\text{C}$ [$-76\text{ }^{\circ}\text{F}$ to $572\text{ }^{\circ}\text{F}$]. The uniform dimensions are often suited for automated assembly. The tinned copper-clad, steel leads are both solderable and weldable. These rugged sensors are designed for many applications which demand reliability at low cost. Available on tape and reel for automated assembly.

Features

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- Cost effective
- Rugged DO-35 glass encapsulation
- High temperature capability
- Available on tape and reel

Potential Applications

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- Consumer electronics
- PCB temperature sensing
- Communications
- Fire detection
- Computers
- Low-cost applications with a maximum temperature of $300\text{ }^{\circ}\text{C}$ [$615\text{ }^{\circ}\text{F}$]
- Automotive

Product Specifications

Availability	Global
Resistance	50,000 Ohm
Tolerance	±10.0%
Accuracy	25 °C [77 °F]
Beta	3974
Operating Temperature	-60 °C to 300 °C [-76 °F to 572 °F]
Diameter	2,0 mm [0.080 in]
Termination Material	Tinned copper-clad steel
Lead Length	28,6 mm [1.125 in]
Time Constant in Air	4.0 s
Dissipation Constant	2,5 m/W°C
Series Name	135