



135-103LAF-J01 Discrete Thermistors

(Home : Products)



135 Series, glass encapsulated chip DO-35 type, 10,000 Ohm resistance, $\pm 5.0\%$ 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

Features

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

Potential Applications

Potential Applications

- 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 | 10,000 Ohm |
| Tolerance | ±5.0% |
| 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 |