



### 111-103EAJ-H01 Discrete Thermistors

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*Actual product appearance may vary.*

111 Series, small glass bead with axial leads, 10,000 Ohm resistance,  $\pm 20.0\%$  tolerance, 25/85 BETA = 3518

#### Description

111 Series Thermistors are hermetically sealed in glass. They feature relatively uniform size, offer fast time response and are highly sensitive to electric power. They are often suited for use in low heat capacity applications and their micro size allows them to be used in extremely small assemblies such as catheters and hypodermic needles.

#### Features

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- Hermetically sealed
- Rapid response times
- Excellent long-term stability
- Micro size
- Weldable platinum iridium leads

#### Potential Applications

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- Gas analysis
- Gas flow measurement
- Thermal conductivity analysis
- Medical

### **Product Specifications**

Availability	Global
Resistance	10,000 Ohm
Tolerance	±20.0%
Accuracy	25 °C [77 °F]
Beta	3518
Operating Temperature	-60 °C to 300 °C [-76 °F to 572 °F]
Diameter	0,36 mm [0.014 in]
Termination Material	Platinum iridium
Lead Length	9,6 mm [0.375 in]
Time Constant in Air	0.5 s
Dissipation Constant	0,1 m/W°C
Series Name	111