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### 175-503LAG-301



Surface mounted device 1206

Actual product appearance may vary.

#### Features

Surface mountable for automated pick and place  
 Glass-coated ceramic for long term reliability  
 Solder plated nickel  
 Versatile  
 Solderable leads  
 Available on tape and reel

#### Potential Applications

Consumer electronics  
 PCB temperature sensing  
 Communications  
 Computers  
 Rechargeable battery packs  
 Low-cost applications with a maximum temperature of 150 °C [302 °F]  
 Automotive

#### Description

173 Series and 175 Series Thermistors are designed to be mounted using robotics onto rigid or flexible PC boards. They are particularly suited for PC boards with a high density of discrete components. The solder-plated, nickel barrier terminations are easily soldered and meet ANSI/JSTD-002 Method B. These products are designed to withstand solder temperatures of 260 °C for 30 seconds. Available on tape and reel for automated assembly.

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#### Keyword Search

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All Sensing and Control

#### Product Search

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#### Supporting Documentation

None Available

Product Specifications	
Availability	Global
Nominal Resistance at 25 °C [77 °F]	50,000 Ohm
Tolerance	± 10.0%
Accuracy	25 °C [77 °F]
R - T Curve	16
Operating Temperature Range	-60 °C to 125 °C [ -76 °F to 257 °F]
Maximum Diameter	EIA 1206 SMD
Time Constant in Air	10.0 s
Dissipation Constant	3,5 m/W°C
Series Name	175