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173-501APC-301



Surface mounted device 0805

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.

Supporting Documentation

None Available

Product Specifications	
Availability	Global
Nominal Resistance at 25 °C [77 °F]	500 Ohm
Tolerance	± 1.0%
Accuracy	25 °C [77 °F]
R - T Curve	8
Operating Temperature Range	-60 °C to 125 °C [-76 °F to 257 °F]
Maximum Diameter	EIA 0805 SMD
Time Constant in Air	10.0 s
Dissipation Constant	3,5 m/W°C
Series Name	173

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