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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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