

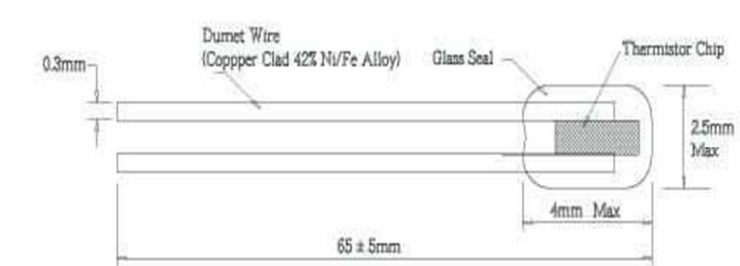


## Radial Glass Thermistor A Series (Interchangeable)

### Introduction

The BetaCurve Interchangeable Glass NTC Thermistors are the perfect choice for applications that require a tight tolerance over a temperature range:  $\pm 0.2^{\circ}\text{C}$  from  $0^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ . With the Interchangeable devices, the need for expensive individual thermistor calibration is not necessary. Interchangeability means that each device will match the published Resistance-Temperature Characteristics for a given thermistor and will be within the specified deviation i.e.  $\pm 0.2^{\circ}\text{C}$  over the temperature range from  $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ . The Interchangeable Glass Series use a hermetic glass encapsulation to allow improved resistance to humid environments. With an operating temperature range of  $-55^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$ , these NTC Glass Sensors are suitable for elevated temperatures or applications where rapid thermal cycling are present.

### Shape and Dimensions



### Applications

Temperature measurement and control  
 Building management systems  
 Laboratory analysis equipment  
 Environmental monitoring  
 Industrial instrumentation.

### Features

Temperature tolerance  $\pm 0.2^{\circ}\text{C}$  ( $0-70^{\circ}\text{C}$ )  
 Hermetically sealed thermistor  
 Operating temperature  $-55^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$   
 High temperature stability

### Electrical Specifications

Part No	Resistance @ $+25^{\circ}\text{C}$	Beta Value 25/85	Dissipation Constant still air @ $25^{\circ}\text{C}$	Time Constant Still air	Time Constant Stirred oil
<b>G10K3976A1G1</b>	<b>10K ohms</b>	<b>3976 <math>\pm</math> 1%</b>	<b>1.3mW/C</b>	<b>11~12 Secs</b>	<b>0.9~1.1 Secs</b>

## Part Numbering System

