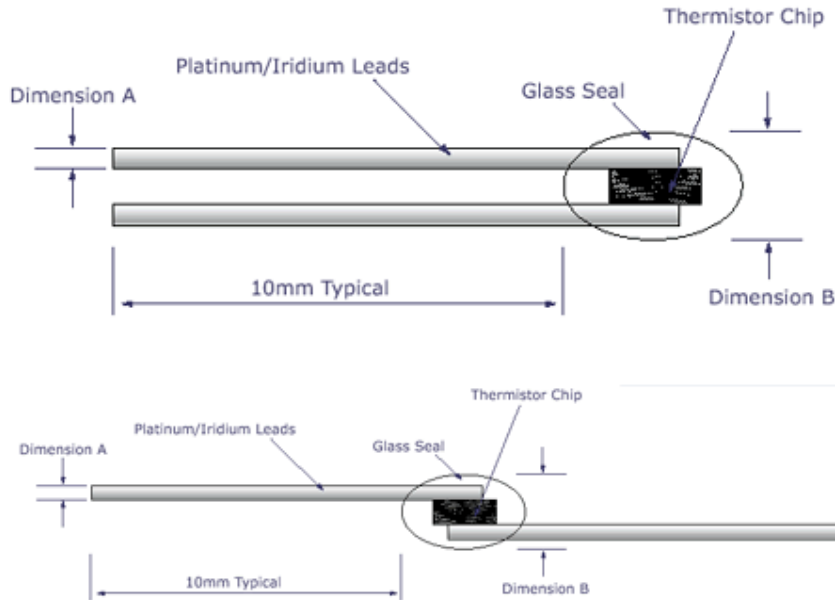


Miniature Axial and Radial Leaded Thermistors

Introduction

The NTC thermistor chip is welded to a platinum lead. The device is encapsulated in a glass coating. The glass seal provides a high degree of protection from severe environmental exposures e.g. high humidity applications.

Shape and Dimensions



Features

- Hermetically sealed thermistor
- High Stability at elevated temperatures
- Operating Temperature: -50°C to +250°C
- Pt/Ir lead wires suitable for welding
- Rapid Time response (<0.2 seconds typical in liquids)
- Dissipation Constant: 0.15mW/oC typical in still air @ 25°C

Applications

- Air-flow detection systems
- Blood analysis
- Liquid level sensing
- Platen Temperature Sensing
- Medical Catheter devices
- Air Conditioning units
- Fluid flow sensing



Electrical Specifications

GA015 (Axial Type)

Part Number	Beta Value 25/85	Resistance @ 25°C (ohms)	Tolerance @ +25°C	Dissipation Constant (Still Air @ +25°C)	T.C. Constant (Still Air @ +25°C)	Dimension A	Dimension B
GA2KM3187J15	3187	2000	± 20%	0.15mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GA5KM3348J15	3348	5000	± 20%	0.15mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GA10KM3499J15	3499	10000	± 20%	0.15mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GA100KM3499J15	3499	100000	± 20%	0.15mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GA150KM3976J15	3976	150000	± 20%	0.15mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GA500KM4261J15	4261	500000	± 20%	0.15mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")

GA015 (Radial Type)

Part Number	Beta Value 25/85	R @ 25°C (ohms)	Tolerance @ +25°C	Dissipation Constant (Still Air @ +25°C)	T.C. Constant (Still Air @ +25°C)	Dim A	Dim B
GR2KM3187J15	3187	2000	± 20%	0.15 mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GR5KM3348J15	3348	5000	± 20%	0.15 mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GR10KM3499J15	3499	10000	± 20%	0.15 mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GR100KM3499J15	3499	100000	± 20%	0.15 mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GR150KM3976J15	3976	150000	± 20%	0.15 mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")
GR500KM4261J15	4261	500000	± 20%	0.15 mW/°C Typ.	1 second Typ.	0.04mm (0.0015")	0.4mm (0.015")

For details on the minimum order quantity (MOQ) of this product, please contact BetaTHERM Sensors or your local BetaTHERM Sensors representative