



Radial Glass Thermistor - A Series



Introduction

The MEAS Glass Series NTC Thermistors are the perfect choice for applications that require high stability and performance in harsh environmental conditions. The Glass A Series uses a hermetic glass encapsulation to allow improved resistance to humid environments. With an operating temperature range of -55°C to $+250^{\circ}\text{C}$, these NTC Glass Sensors are suitable for elevated temperatures or applications where rapid thermal cycling are present. With resistance tolerances of $\pm 1\%$, $\pm 2\%$, $\pm 3\%$ or $\pm 5\%$, these NTC glass thermistors are suitable for the most demanding requirements.

Applications

Available in $\pm 1\%$, $\pm 2\%$, $\pm 3\%$ or $\pm 5\%$ tolerance at $+25^{\circ}\text{C}$
 Dissipation constant (D.C) = $1.3\text{mW}/^{\circ}\text{C}$ in still air
 Operating temperature range from -55°C to $+250^{\circ}\text{C}$
 Glass hermetic encapsulation with high resistance to humid environments
 High-temperature stability
 Fast response time

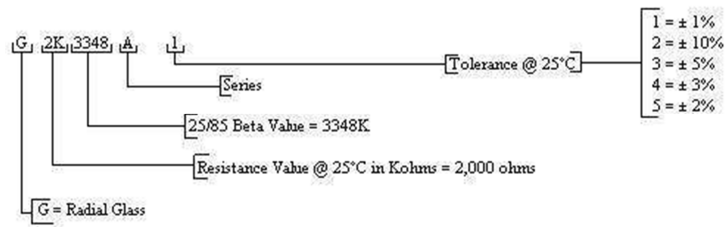
Features

Air conditioning systems
 Refrigeration control
 Thermal shock and humidity resistance
 Hot water boiler systems
 Temperature measurement and control
 Sensor for engine temperature control

Shape and Dimensions



Part Numbering System



Electrical Specifications

Part Number	Resistance Tolerance @+25C	Beta Value 25/85C	Dissipation Constant (Still Air@+25C)	T.C. Constant (in still air)	T.C. Constant In stirred oil
G2K3348A1	2000± 1%	3348± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G2K3499A1	2000± 1%	3499± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G5K3976A1	5000± 1%	3976± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G10K3435A1	10000± 1%	3435± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G10K3694A1	10000± 1%	3694± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G10K3976A1	10000± 1%	3976± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G30K3942A	30000± 1%	3942± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G50K3976A	50000± 1%	3976± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G100K4000A1	100000± 1%	4000± 2%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs
G200K4261A1	200000± 1%	4261± 3%	1.3mW/C Typ.	11 ~ 12 SecS	0.9 ~ 1.1 Secs
G500K4261A1	500000± 1%	4261± 3%	1.3mW/C Typ.	11 ~ 12 Secs	0.9 ~ 1.1 Secs

