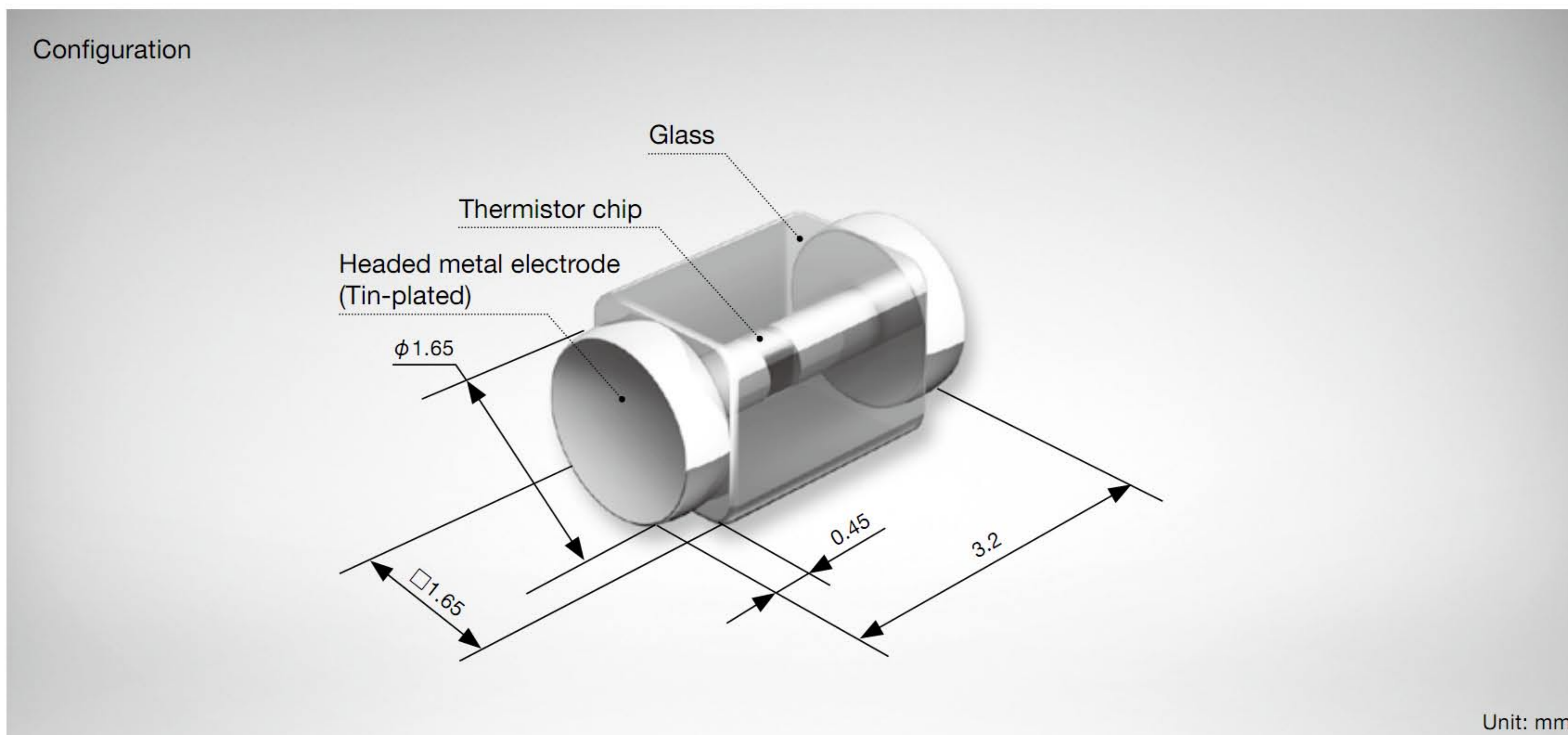


KG3 thermistor



A highly reliable surface mount thermistor

The KG is a highly reliable thermistor that has been developed in response to customer needs. A square glass and headed metal electrodes bring virtually no change for the KG through its lifetime. In addition, the KG provides excellent solderability and mountability.

Features

- Metal electrodes for soldering
- Excellent solder wettability with tin-plated electrodes
- High-level heat resistance and environmental stability secured by glass encapsulation
- Excellent solder dip resistance
- The square glass prevents deviation or falling off while being mounted

Applications

- Suitable to be used in a narrower space
- Applications requiring high reliability where general-purpose chip thermistors cannot meet
 - Overheat prevention for industrial motors
 - Temperature assurance for IGBT units
 - Temperature assurance for surface mount electric/electronic parts

Operating temperature

-50 to +200°C

Thermal time constant

Approx. 10 sec.

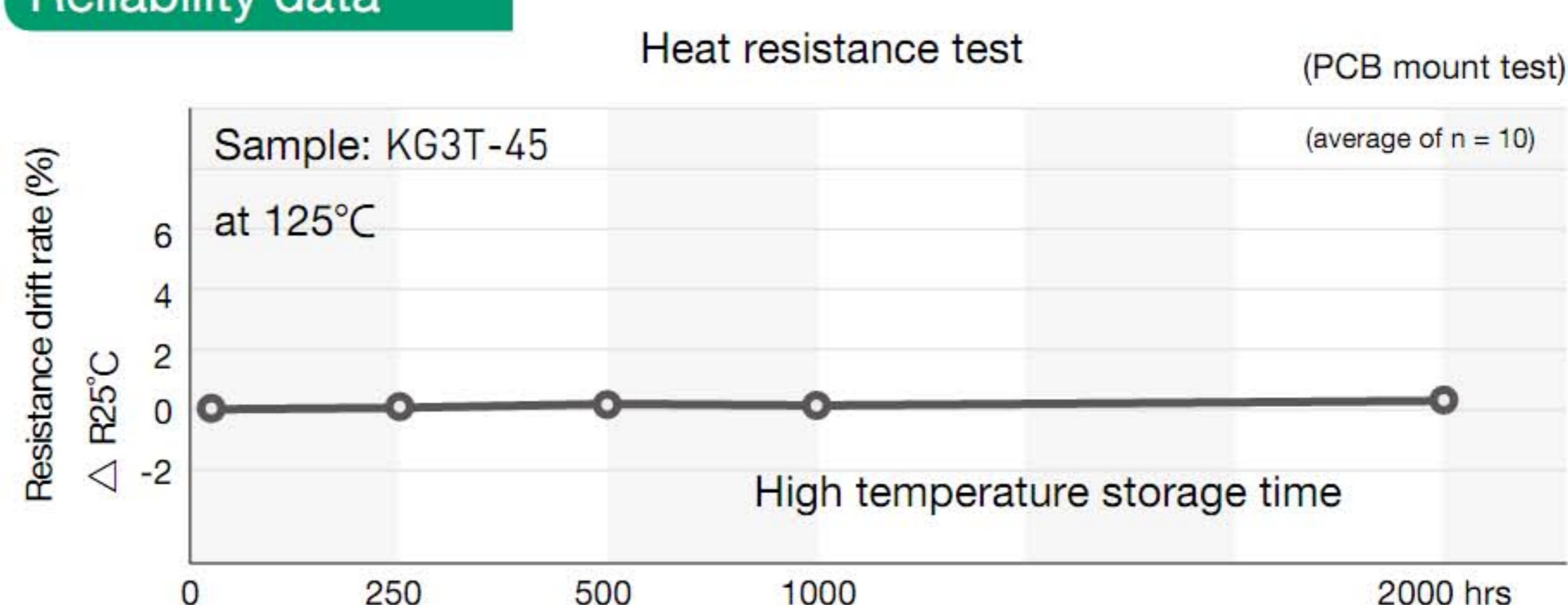
Dissipation constant

Approx. 1.4mW/°C

Insulation resistance

3 sec. at 350°C

Reliability data



Resistance-temperature characteristics

Specification	Nominal resistance note (1)		B constant 25°C/50°C
KG3B-35	13.72kΩ (0°C)	5kΩ (25°C)	3375K±2%
KG3B-41	28.08kΩ (0°C)	10kΩ (25°C)	3450K±2%
KG3T-43	98.90kΩ (0°C)	30kΩ (25°C)	3950K±2%
KG3T-45	164.8 kΩ (0°C)	50kΩ (25°C)	3950K±2%
KG3T-51	332.3 kΩ (0°C)	100kΩ (25°C)	4000K±2%

Note (1): Resistance tolerance: ±3%, ±5%