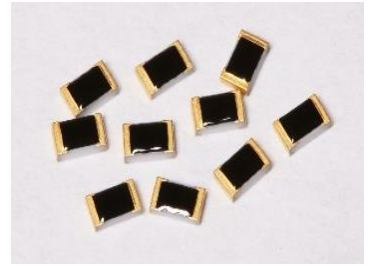


Only one in the world !

Sample available

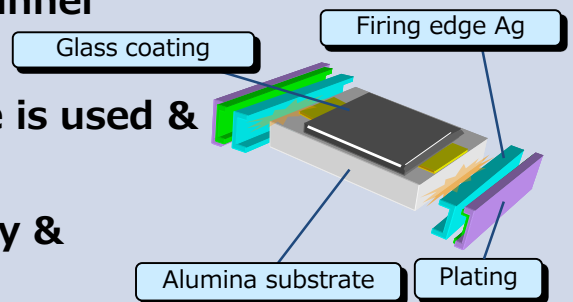
High temperature heat-resistant Chip thermistor

- High reliability and high strength for use at temperatures up to 200°C
- Completely lead-free



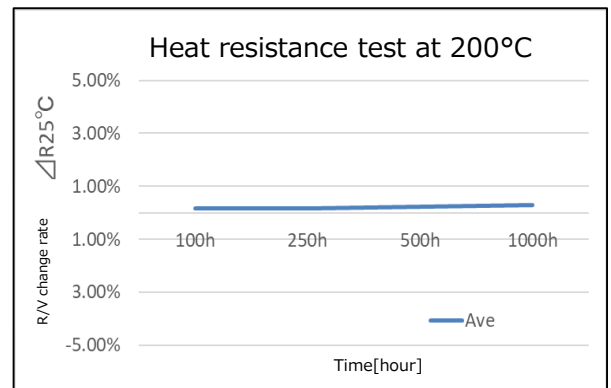
Our Product Structure

- Low profile structure...T dimension is thinner than other companies' products
- Mechanical strength...Alumina substrate is used & Electrode peel strength is strong
- Thermal response...Low thermal capacity & sensitive as a sensor



Features

- **Max temperature of 200°C**
- Applicable to **conductive adhesives** (Au plating)
- AEC-Q200 compliant product
- Adjustable temperature characteristic curve according to your requirements



Specification

Item	Speciation
Operating temperature range	-40°C~200°C (Standard type : 125°C)
Chip size : Resistance & B value	1608mm(0603inch) : 10kohm & 3435K 2012mm(0805inch) : 5kohm & 3435K 3216mm(1206inch) : 5kohm & 3435K
Rated power	Rated power : 120mW(1608mm), 130mW(2012mm) Max allowable power : 5mW
Thermal dissipation constant in air	$\delta \leq 1.5 \text{mW}/^\circ\text{C}$
Thermal time constant in air	$\tau \leq 5 \text{sec}$

Application

- Power semiconductor
- Temperature compensation for IGBT unit
- Automotive ABS control circuit
- Transmission
- Temperature compensation for high temperature specification circuits

Tateyama Kagaku Co.,Ltd.