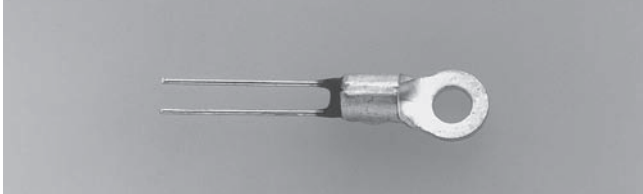


## 用于表面温度检测

### ■特点

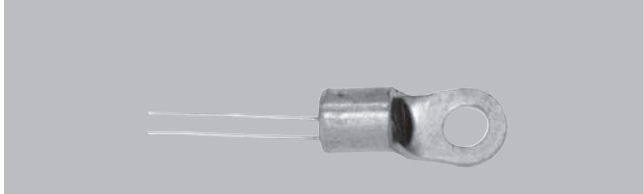
- 安装时可采用螺栓固定。
- 采用金属吸热面，温度响应快。
- ※STS系列的热时间常数是按照以下方法测定，所以测定值受氧化铝的热容量的影响。
- ※首先用螺钉凝固氧化铝 (120L × 120W × 20Tmm)，然后将除温度传感器的部分浸入25度的水中。之后再氧化铝移之50度的水中。

### STS-40



- 电阻值 .....  $R_{25}=10k\Omega \pm 1\%$
- B值 (3H) .....  $B_{25/50}=3450k \pm 1\%$   
 $B_{25/85}=3486k$
- 使用温度范围 .....  $-30^{\circ}\text{C} \sim +110^{\circ}\text{C}$
- 热响应时间常数 (铝块上) ..... 18sec.

### STS-50



- 电阻值 .....  $R_{25}=10k\Omega \pm 3\%$
- B值 (3HG) .....  $B_{25/50}=3465K \pm 3\%$   
 $B_{25/85}=3502K$
- 使用温度范围 .....  $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- 热响应时间常数 (铝块上) ..... 22sec.

※关于R-T数据，请参阅本公司网站。  
※有关热敏温度传感器的使用环境条件，请与本公司协商。

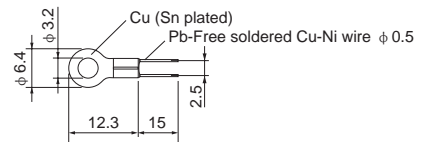
## For Measuring surface Temp

### ■Features

- Can be fastened with a screw.
- Metal contact surface yields fast temperature response.
- ※Thermal time constant of STS series is measured by following method. The date contains the influence of the heat capacity of the aluminum block.
- ※The sensor is screwed up on aluminum block (120L × 120W × 20Tmm), the block except sensor attached surface is put into 25°C water. From this state when block is moved into 50°C water.

### STS-40

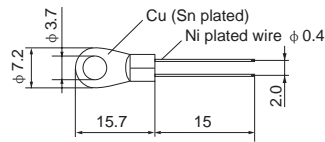
#### 形状·尺寸 Dimensions (mm)



- Resistance .....  $R_{25}=10k\Omega \pm 1\%$
- B value (3H) .....  $B_{25/50}=3450K \pm 1\%$   
 $B_{25/85}=3486K$
- Operating temperature range .....  $-30^{\circ}\text{C} \sim +110^{\circ}\text{C}$
- Thermal time constant (on A ℓ block) ... 18sec.

### STS-50

#### 形状·尺寸 Dimensions (mm)



※也可提供接线镀Sn规格。  
※Tin plated wire type is available.

- Resistance .....  $R_{25}=10k\Omega \pm 3\%$
- B value (3HG) .....  $B_{25/50}=3465K \pm 3\%$   
 $B_{25/85}=3502K$
- Operating temperature range .....  $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Thermal time constant (on A ℓ block) .. 22sec.

※Regarding R-T data, please refer to our web site.  
※Please consult us regarding the operating conditions of Thermistor sensors.