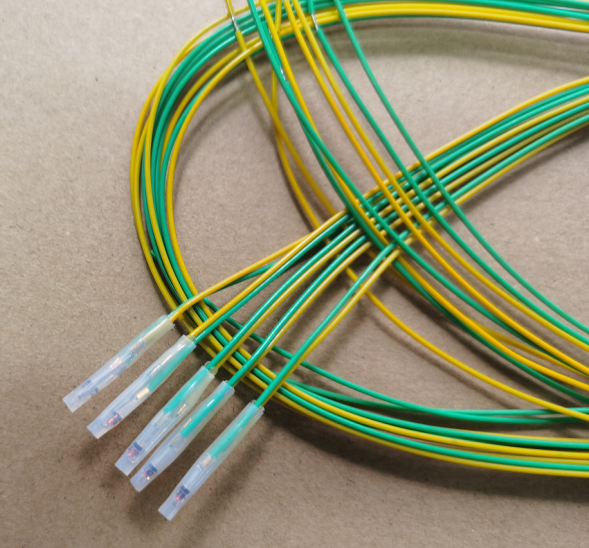
**KTY系列硅温度传感器**



**一、概述**

KTY系列硅温度传感器是二十世纪末国际上最新型温度传感器，它可以 用在-55℃至300℃范围内的温度测量，例如空调、烘箱等。特别是在电机的绕组和轴承上温度测量已得到广泛的应用。

**二、特点**

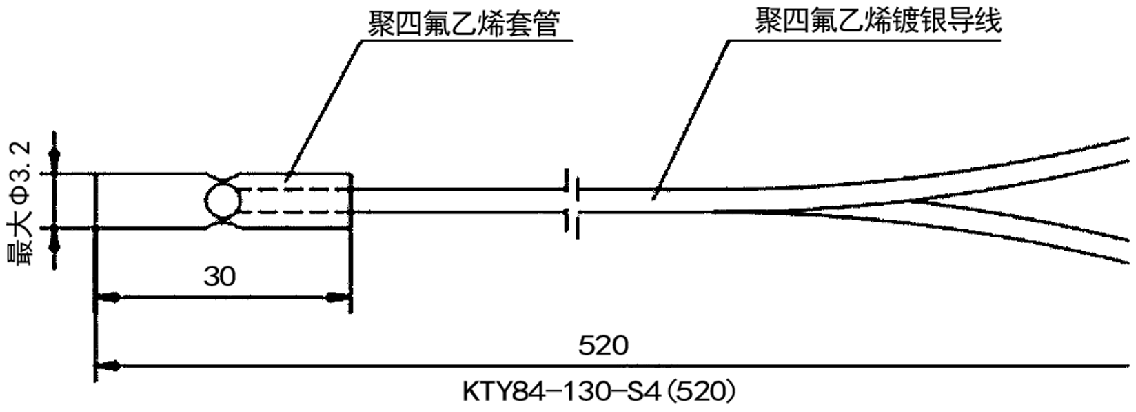
KTY系列硅温度传感器的结构简单，性能稳定，动作响应时间较快，阻温曲线也比较线性。

**三、主要技术指标**

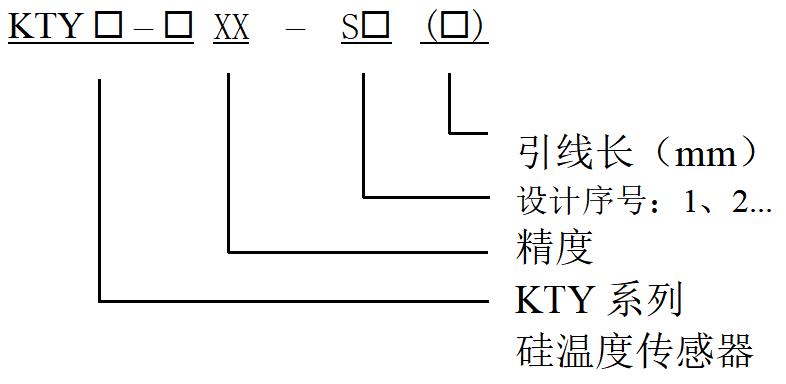
3.1、绝缘电阻>=100MΩ

3.2、引线材料0.35 mm2聚四氟乙烯耐高温导线

3.3、典型外形尺寸及型号示例



订货示例



3.4、技术参数

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **规格** | **温度系数** | **热动作时间(T)** | | | **工作速度范围(℃)** |
| **在静止空气中** | **在静止液体中** | **在流汤液体中** |
| KTY81 | 0.79%/K | 30s | 5s | 38 | -55~150 |
| KTY82 | 0.79%/K | 78 | Is | 0.58 | -55~150 |
| KTY83 | 0.76%/K | 208 | 18 | 0.5s | -55-175 |
| KTY84 | 0.61%/K | 20s | 18 | 0.5s | -40-300 |
| KTY85 | 0.79%/K | 20s | 18 | 0.5s | -40 ~ 125 |

3.5、KTY参考值

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **标志** | **型号** | **条件** | **最小值** | **中间値** | **最大值** | **单位** |
| R25 | KTY81-110 | 环境温度25℃  恒流1mA | 990 | 1000 | 1010 | Ω |
| KTY81-120 | 980 | 1000 | 1020 |
| KTY81-121 | 980 | 990 | 1000 |
| KTY81-122 | 1000 | 1010 | 1020 |
| KTY81-150 | 950 | 1000 | 1050 |
| KTY81-151 | 950 | 975 | 1000 |
| KTY81-152 | 1000 | 1025 | 1050 |
| KTY82-210 | 1980 | 2000 | 2020 |
| R25 | KTY82-220 | 环境温度25℃  恒流1mA | 1960 | 2000 | 2040 |
| KTY82-221 | 1960 | 1980 | 2000 |
| KTY82-222 | 2000 | 2020 | 2040 |
| KTY82-250 | 1900 | 2000 | 2100 |
| KTY82-251 | 1900 | 1950 | 2000 |
| KTY82-252 | 2000 | 2050 | 2100 |
| KTY83-110 | 990 | 1000 | 1010 |
| KTY83-120 | 980 | 1000 | 1020 |
| KTY83-121 | 980 | 990 | 1000 |
| KTY83-122 | 1000 | 1010 | 1020 |
| KTY83-150 | 950 | 1000 | 1050 |
| KTY83-151 | 950 | 975 | 1000 |
| R100 | KTY84-130 | 环境温度100℃ 植流2mA | 970 | 1000 | 1030 |
| KTY84-150 | 950 | 1000 | 1050 |
| KTY84-151 | 950 | 975 | 1000 |
| KTY84-152 | 1000 | 1025 | 1050 |
| R25 | KTY85-110 | 环境温度25℃ 恒流1mA | 990 | 1000 | 1010 |
| KTY85-120 | 980 | 1000 | 1020 |
| KTY85-121 | 980 | 990 | 1000 |
| KTY85-122 | 1000 | 1010 | 1020 |
| KTY85-150 | 950 | 1000 | 1050 |
| KTY85-151 | 950 | 975 | 1000 |
| KTY85-152 | 1000 | 1025 | 1050 |

**KTY阻温曲线图**

