

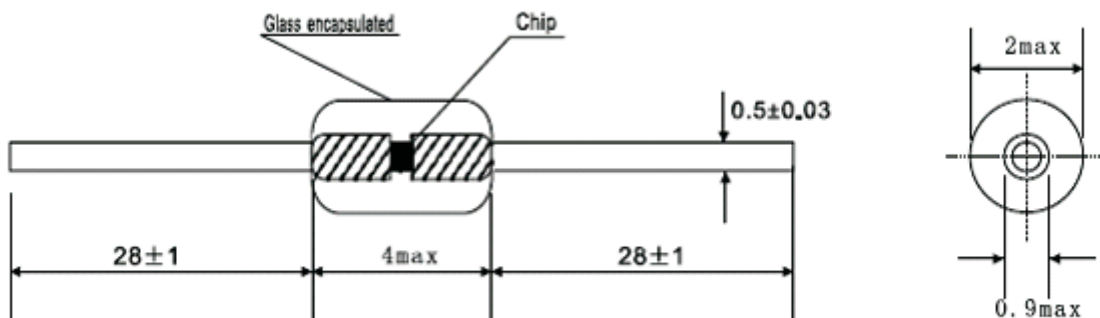
1. Characteristics

- 1.1 SLPTC series in the form of axial glass encapsulated form.
- 1.2 As the construction material is mainly semiconductor monocrystalline silicon, also called silicon thermistor.
- 1.3 Resistance increases with the temperature rises in linearity, also called linear PTC thermistor.
- 1.4 Dissipation factor : $2.5\sim 5\text{mW}/^\circ\text{C}$
- 1.5 Maximum operating current : $I_{opr}=1.0\text{mA}$
- 1.6 Stability: annual diversification rate $0.01^\circ\text{C}/\text{per year}$.
- 1.7 Temperature coefficient : $\alpha_{25/50} 0.7\%/^\circ\text{C}$
- 1.8 Rated power : 10mW
- 1.9 Operating temperature range : $-50\sim +150^\circ\text{C}$
- 1.10 Small dimension, tightness, convenient for automatic installation.
- 1.11 Glass encapsulated, can operate in high temperature and moisture environment.

2. Application

- 2.1 Automobile temperature inspection and control.
- 2.2 Home appliance temperature inspection and compensation.
- 2.3 Precision circuit and crystal oscillator temperature compensation.
- 2.4 Micro motor timing control.
- 2.5 Medical equipment temperature inspection and control.

3. Dimension (Unit : mm)



4. SLPTC Data Sheet and R-T Table

T (°C)	SLPTC-200 (Ω)	SLPTC-600 (Ω)	SLPTC-1000 (Ω)	SLPTC-1600 (Ω)	SLPTC-2000 (Ω)
-40	124 Ω	356 Ω	564 Ω	998 Ω	1242 Ω
-30	136 Ω	389 Ω	620 Ω	1073 Ω	1339 Ω
-20	148 Ω	422 Ω	682 Ω	1153 Ω	1438 Ω
-10	158 Ω	458 Ω	745 Ω	1242 Ω	1557 Ω
0	167 Ω	495 Ω	813 Ω	1335 Ω	1674 Ω
10	177 Ω	538 Ω	885 Ω	1437 Ω	1802 Ω
20	183 Ω	680 Ω	961 Ω	1547 Ω	1926 Ω
25	200 Ω	600 Ω	1000 Ω	1600 Ω	2000 Ω
30	196 Ω	624 Ω	1039 Ω	1654 Ω	2077 Ω
40	222 Ω	670 Ω	1122 Ω	1772 Ω	2230 Ω
50	236 Ω	720 Ω	1210 Ω	1901 Ω	2378 Ω
60	253 Ω	771 Ω	1303 Ω	2033 Ω	2534 Ω
70	271 Ω	825 Ω	1397 Ω	2165 Ω	2695 Ω
80	287 Ω	880 Ω	1494 Ω	2302 Ω	2870 Ω
90	306 Ω	940 Ω	1599 Ω	2448 Ω	3037 Ω
100	326 Ω	1000 Ω	1704 Ω	2591 Ω	3215 Ω
110	346 Ω	1062 Ω	1810 Ω	2730 Ω	3378 Ω
120	366 Ω	1127 Ω	1911 Ω	2850 Ω	3516 Ω
130	390 Ω	1193 Ω	1989 Ω	2988 Ω	3605 Ω
140	412 Ω	1262 Ω			
150	435 Ω	1334 Ω			
160	462 Ω	1407 Ω			
170	487 Ω	1480 Ω			
175	500 Ω	1520 Ω			

Note: Resistance tolerance at 25 °C can be ±1%,±3%,±5%.