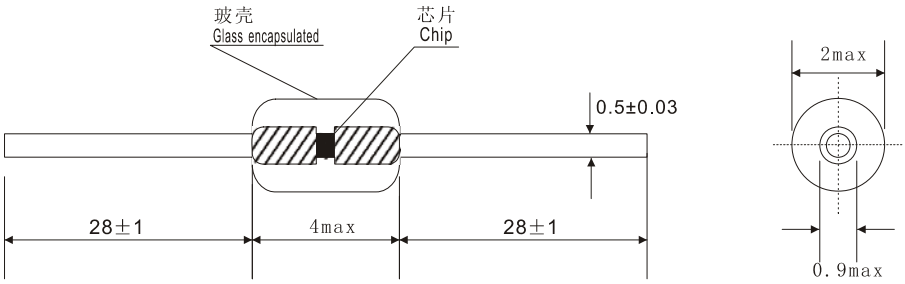
Features

1. LPTC series in the form of axial glass encapsulated form.
2. As the construction material is mainly semiconductor monocrystalline silicon, also called silicon thermistor.
3. Resistance increases with the temperature rises in linearity, also called linear PTC thermistor.
4. Dissipation factor：2.5~5mW/
5. Maximum operating current：Iopr=1.0mA
6. Stability: annual diversification rate≤0.01 /per year.
7. Temperature coefficient：$\alpha_{25/50}$≥0.7%/
8. Rated power：10mW
9. Operating temperature range：-50~+150
10. Small dimension, tightness, convenient for automatic installation.
11. Glass encapsulated, can operate in high temperature and moisture environment.

Application

1. Automobile temperature inspection and control.
2. Home appliance temperature inspection and compensation.
3. Precision circuit and crystal oscillator temperature compensation.
4. Micro motor timing control.
5. Medical equipment temperature inspection and control.

Outlook and Dimension（Unit：mm）



LPTC Data Sheet and R-T Table

T （ ）	LPTC-200 (Ω)	LPTC-600 (Ω)	LPTC-1000 (Ω)	LPTC-1600 (Ω)	LPTC-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	1437Ω	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	1901Ω	2378 Ω
60	253 Ω	771 Ω	1303 Ω	2033 Ω	2534 Ω

70	271 Ω	825 Ω	1397Ω	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	2591Ω	3215 Ω
110	346 Ω	1062 Ω	1810 Ω	2730Ω	3378 Ω
120	366 Ω	1127 Ω	1911 Ω	2850Ω	3516 Ω
130	390 Ω	1193 Ω	1989 Ω	2988Ω	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 can be ±1%,±2%,±3%,±5%.