

Dongguan Aolittel Electronic Technology Co., Ltd

负温度系数 (NTC) 热敏电阻器

Negative temperature coefficient (NTC) thermistor

MF52 测温型NTC热敏电阻器系列

MF52 Temp Measurement NTC Thermistor series



● 应用范围

- ◎ 空调设备
- ◎ 暖气设备
- ◎ 电子体温计
- ◎ 液位传感器
- ◎ 汽车电子
- ◎ 电子台历
- ◎ 手机电池

Applications

- ◎ Air-condition Equipments
- ◎ Heating Apparatus
- ◎ Electric Thermometer
- ◎ Liquid Level Sensor
- ◎ Automobile Electricity
- ◎ Electric Table-calendar
- ◎ Battery of Mobile Telephone

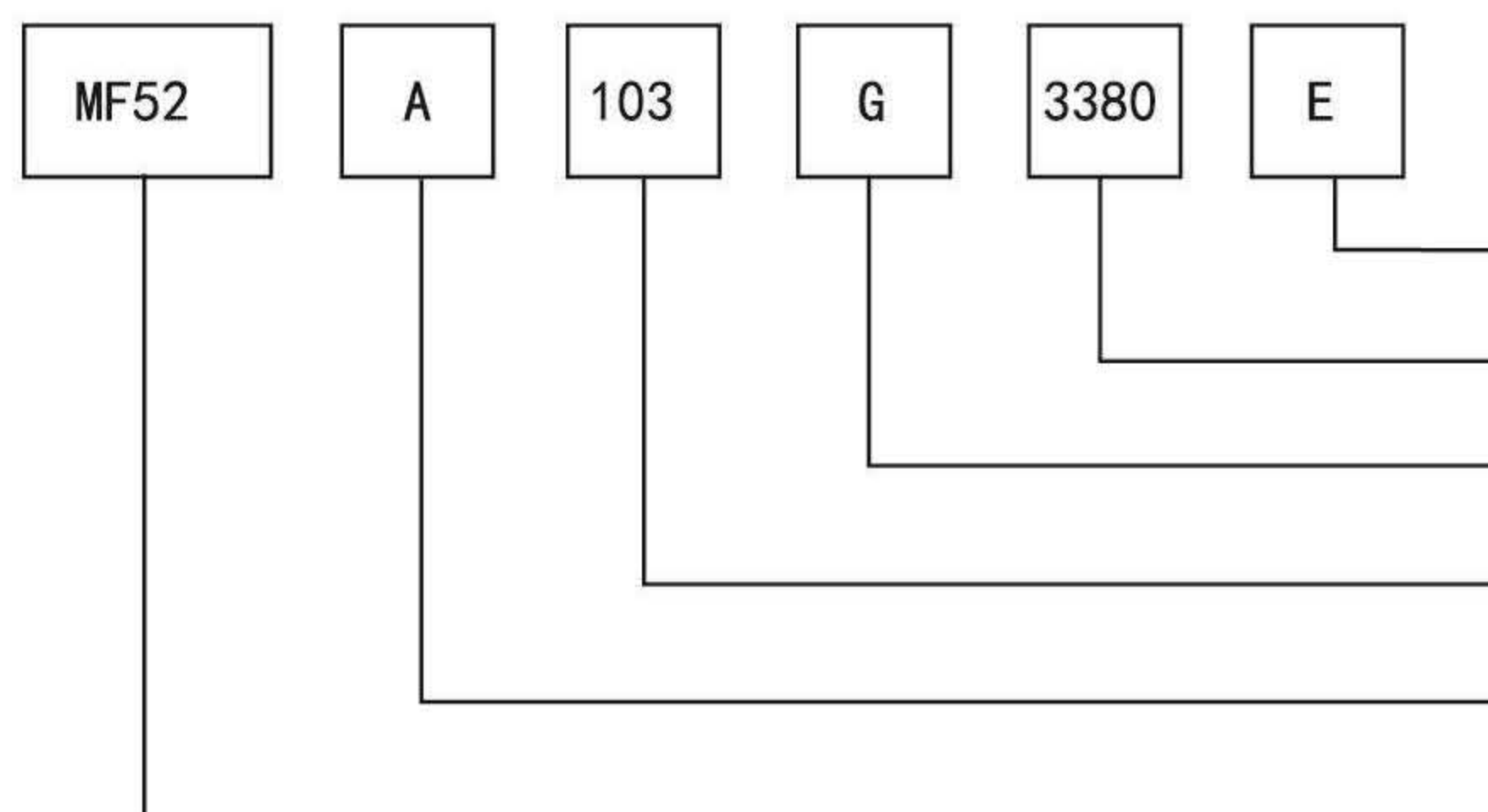
● 特点

- ◎ 测试精度高
- ◎ 体积小、反应速度快
- ◎ 能长时间稳定工作
- ◎ 互换性、一致性好
- ◎ 规模化生产、性价比高

Characteristic

- ◎ High Testing Precision
- ◎ Small size, Fast Response
- ◎ Steady Operating For Long Time
- ◎ Good Quality of Coherence And Interchange
- ◎ Scale production, high ratio of Price to quality

● 产品标志说明 Specification



B值允许偏差代号 (根据需要标注, ±1%时省略)

The allowable tolerance of (Label by Requirement)

E: ±0.5%, F: ±1%

B值: 为3380K

B Value: namely 3380K

阻值允许偏差代号: F±1%, G±2%, H±3%, J±5%, K±10%

Allowable tolerance code: F±1%, G±2%, H±3%, J±5%, K±10%

标称阻值: 103为10KΩ

Rated Resistance: 103 is 10KΩ

不同外型结构和尺寸代号: A型引线为镀锡铜线或镀锡铜包钢线

Different Configuration and code: Model A is Cu or Cp Wire

型号: 珠状精密型NTC热敏电阻器

Type: pearl-shape temperature measurement NTC thermistor

● 主要技术参数 Main Techno-Parameter

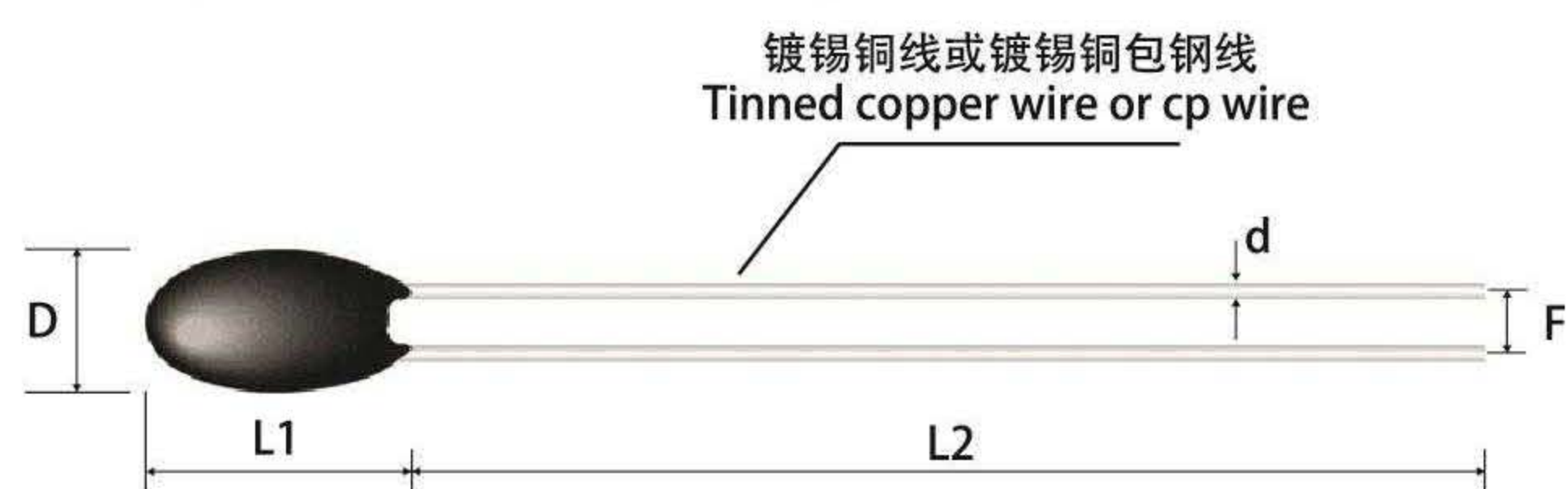
型号 Part No	标称阻值R25 (KΩ) Rated Resistance R25 (KΩ)	B值 (25/50°C) (K) B Value (25/50°C) (K)	额定功率 (mw) Rated Power (mw)	耗散系数 (mw/°C) Dissi. Coef. (mw/°C)	热时间常数(S) Thermal time Constant (S)	工作温度(°C) Operating Temp. (°C)
MF52□□□3100	0.1~20	3100				
MF52□□□3270	0.2~20	3270				
MF52□□□3380	0.5~50	3380				
MF52□□□3470	0.5~50	3470		≥2.0	≤12	
MF52□□□3600	1~100	3600				
MF52□□□3950	5~100	3950	≤100mW			-40~+125°C
MF52□□□4000	5~100	4000		静止空气中	静止空气中	
MF52□□□4050	5~200	4050		In Still Air	In Still Air	
MF52□□□4150	10~250	4150				
MF52□□□4300	20~1000	4300				
MF52□□□4500	20~1000	4500				

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● 外形结构和尺寸 Dimensions(mm)

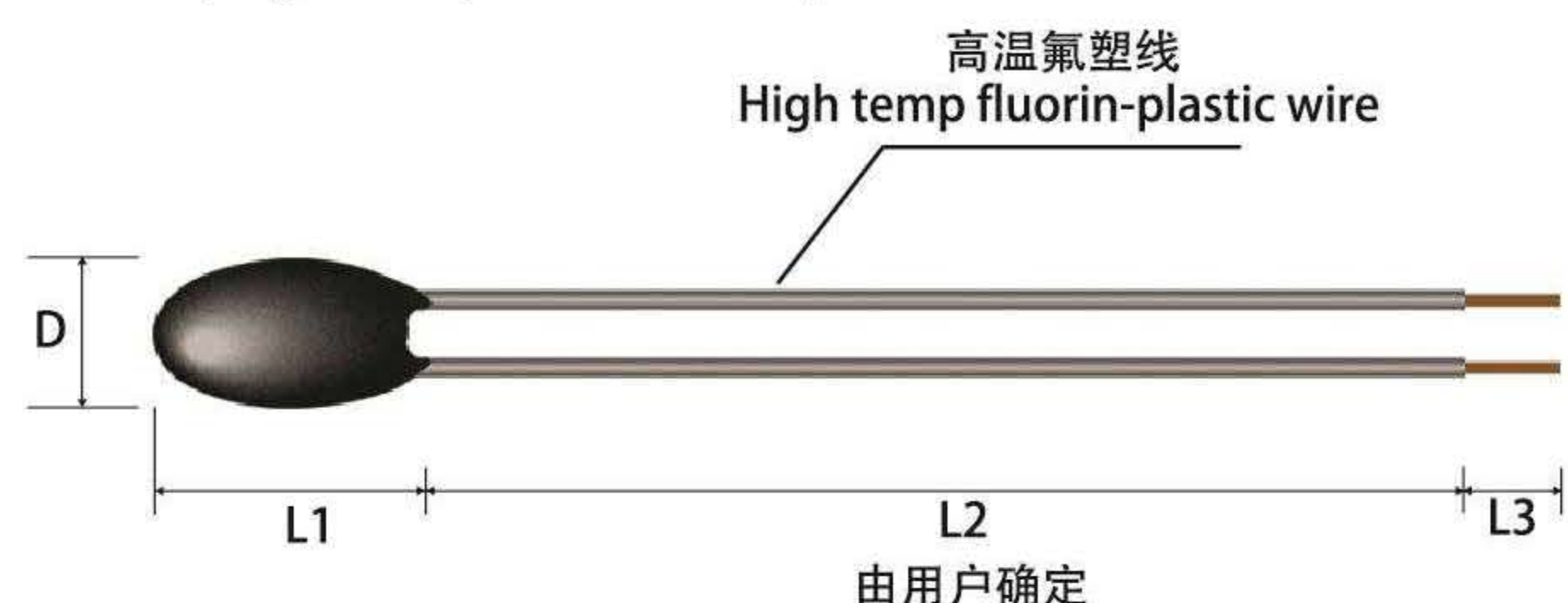
A型: (引线为镀锡铜线或镀锡铜包钢线)
(Tin. nickle Cu or Cp wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	d ±0.05	F ±0.5
A1	2.5	4.0	25	0.3	1.7
A2	3	4.5	25	0.45	2.2

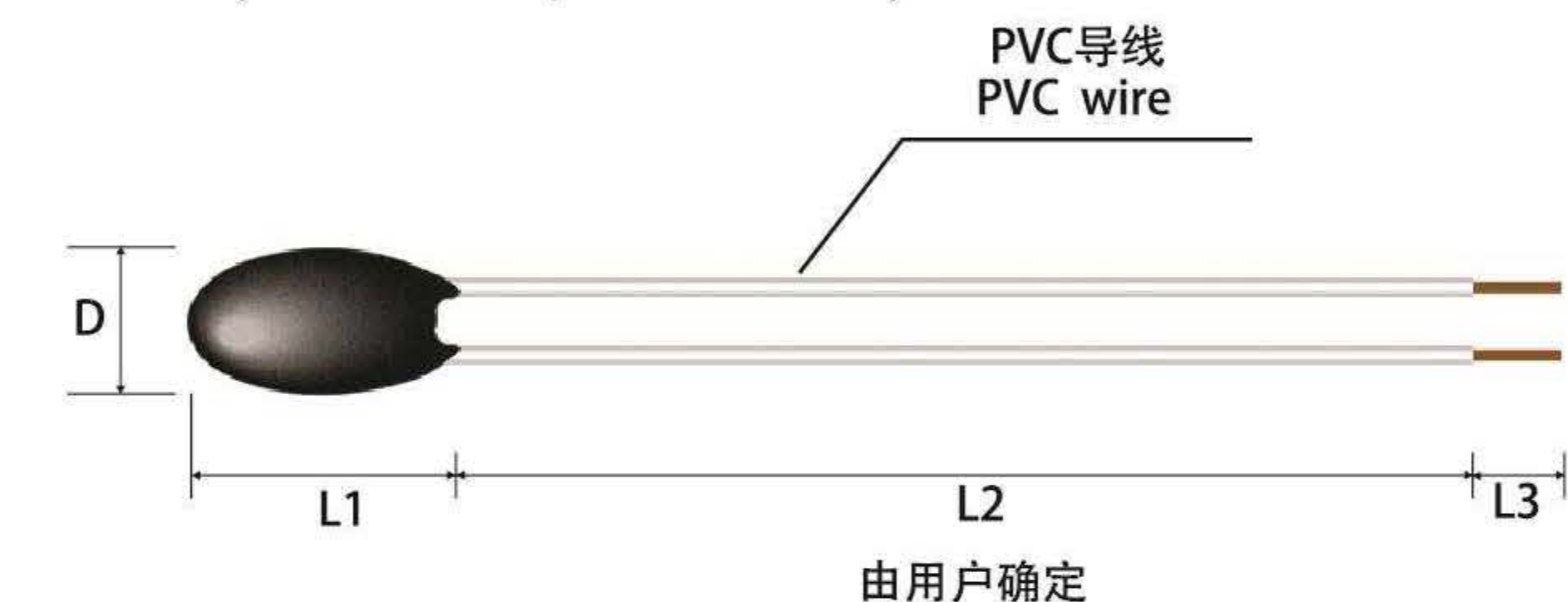
C型: (引线为高温导线)
(High-temperature wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ±1	线材型号
C1	3	7.5	由用户确定 by user determine	5	30#
C2	4	7.5	由用户确定 by user determine	5	28#

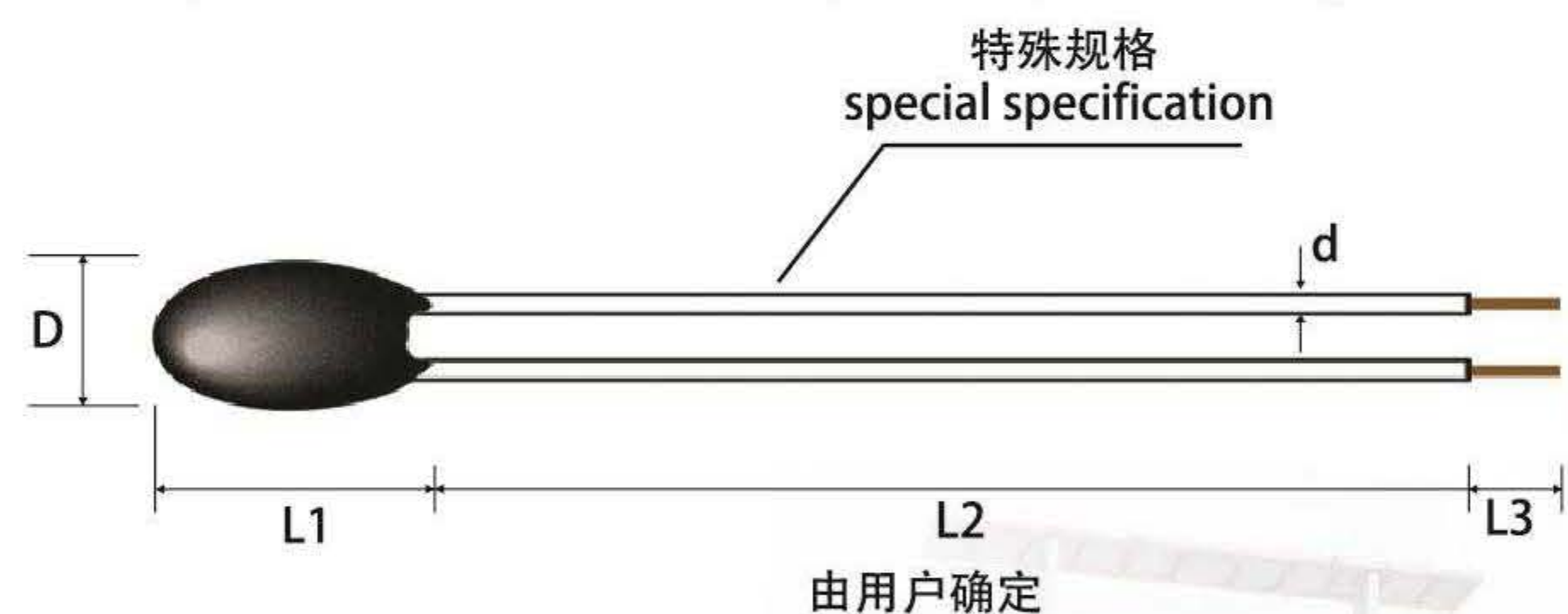
D型: (引线为常温导线)
(Normal temperature wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ±1	线材型号
D1	3	7.5	由用户确定 by user determine	5	30#
D2	4	7.5	由用户确定 by user determine	5	28#

E型: (引线 and 包封头均为特殊规格)
(Lead and head are all special specification)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ±1	线材型号
E1	由用户确定 by user determine	由用户确定 by user determine	由用户确定 by user determine	5	由用户确定 by user determine
E2	由用户确定 by user determine	由用户确定 by user determine	由用户确定 by user determine	5	由用户确定 by user determine

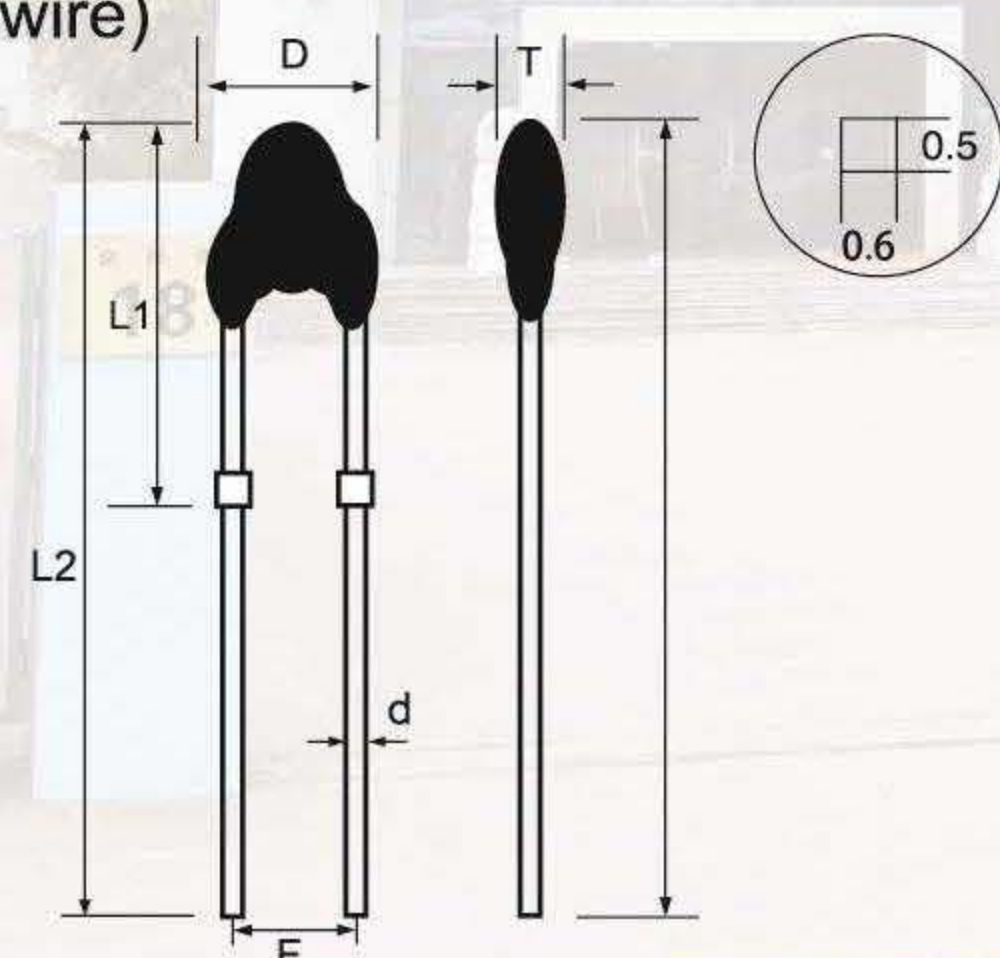
DE型: (引线为环氧树脂包封的镀锡钢线)
(Cp Lead Coated with epoxy resin)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2max	L3	d ±0.05	F ±0.5
DE1	3	6.0	55	客户定	0.3	/
DE2	4	7.5	35	客户定	0.45	/

F型: (引线为镀锡钢线)
(Tinned steel wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2±1.5	d ±0.1	F±0.5	T max
F	3.8	9.5	17	0.6	2.5	3.5