

Negative temperature coefficient (NTC) thermistor

CWF精密型NTC温度传感器系列

CWF Precision NTC Temperature sensor series

● 应用范围 Applications

应用于家用空调、汽车空调、冰箱、冷柜、热水器、饮水机、暖风机、洗碗机、消毒柜、洗衣机、烘干机以及中低温干燥箱、恒温箱等场合的温度测量与控制。

Temperature measurement and control of household and automobile air-condition, refrigeratory, icebox, water heater, drinking trough, radiator, dishwasher, disinfector, washing machine, drying machine, middle-or-low-temperature drying box and constant temperature box.

● 特点

- 采用全新工艺、产品性能稳定，可长期工作
- 电阻值和B值精度高、一致性好、可互换
- 灵敏度高、反应迅速
- 具有良好的绝缘密封性和抗机械碰撞、抗折弯能力、可靠性高

Characteristics

- Adopting new technique, Steady product performance, Capability of long time operating.
- High precision of resistance and B value, Good coherence, Interchange capable.
- Fast response, High delicacy.
- Good quality of insulation and package, High capability of colliding and bending resistance and High reliability.



江苏省高新技术产品  
The Hi & Tech Product of Jiangsu Province



◎ CQC 认证 (File # 10001052282)

● 畅销品列举 Popular products

CWF1: (环氧树脂封装) Packed with epoxy resin

外形尺寸(mm) Dimension(mm)	代号 Code	S1	S2	S3	S4	性能 Function	主要用途 Main application
	Dmax	4	5	6	7	防潮湿 绝缘性好 可靠性高 时间常数小 反应灵敏 Moisture-proof small time constant fast respond	家用空调、 冰箱等 house hold air-conditioner refrigerate
	L1max	16	16	16	16		
	线材型号	28#	26#	24#	22#		
	L2	根据用户要求 According to customer's requirement					

CWF2: (铝壳、铜壳、不锈钢封装) Packed with aluminum, copper, stainless steel etc

外形尺寸(mm) Dimension(mm)	代号 Code	S1	S2	S3	S4	S5	S6	S7	性能 Function	主要用途 Main application
	D	4	5	5	5	6	6	6	防潮湿 耗散系数大 结构牢固可靠 稳定性高 Moisture-proof Large coefficient Excellent stability	各类空调、 冰箱、热 水器、饮 水机、恒 温箱等 house hold air-conditioner refrigerate heater
	L1	20	20	25	30	20	25	30		
	L2	根据用户要求 According to customer's requirement								

## CWF精密型NTC温度传感器系列

### CWF Precision NTC Temperature sensor series

CWF<sub>3</sub> (塑料壳封装) Packed with plastic

外型尺寸(mm) Dimension(mm)	代号 Code	S1	S2	S3	S4	性能 Function	主要用途 Main application
	D	3.5	4	5	6	一致性好, 耐温防潮 性强, 耐 电压高  Moisture-proof Excellent coherence Voltage withstand	各类空调、 电冰箱等 house hold air-conditioner refrigerate
	L1	15	15	15	20		
	L2	根据用户要求 According to customer's requirement					
	D	4	8	8		Moisture-proof Excellent coherence Voltage withstand	各类空调、 电冰箱等 house hold air-conditioner refrigerate
	L1	10	35	50			
	L2	根据用户要求 According to customer's requirement					

CWF<sub>4</sub> (加固定金属片) Fixed sheet metal added

外型尺寸(mm) Dimension(mm)	性能 Function	主要用途 Main application
	外形结构灵活, 满足不同场合安装要求 It can be meet with different mount requirement because of agility dimension	风扇控制, 工业温控仪表 Fan control, industry meter

CWF<sub>5</sub> (特殊封装) Special packed shape

外型尺寸(mm) Dimension(mm)	性能 Function	主要用途 Main application
	时间常数小, 反应快, 使用灵活、可靠。 Small time constant, fast respond, stability	用于高温环境, 如热水器、咖啡壶 及工业控温。 Applied in hi-temperature environment, heater, coffee oven, for example

### ● 主要技术参数 Main Techno-Parameter

产品型号 Part No.	标称电阻值R <sub>25</sub> Rated Resistance R <sub>25</sub>		B值 (25/50℃) B Value(25/50℃)		耗散系数 (mW/℃) Dissi. Coef. (mW/℃)	热时间常数 (S) Thermal time Constant(S)	工作温度 (℃) Operating Temp. (℃)
	范围(KΩ) Range(KΩ)	精度 (%) Tolerance(%)	(K)	精度 (%) Tolerance(%)			
CWF□□□3100	0.1 ~ 20		3100				
CWF□□□3270	0.2 ~ 20		3270				
CWF□□□3380	0.5 ~ 50		3380				
CWF□□□3470	0.5 ~ 50	±1	3470				
CWF□□□3600	1 ~ 100	±2	3600				
CWF□□□3950	5 ~ 100		3950	±1	≥2.2	≤70	-55 ~ +125
CWF□□□4000	5 ~ 100	±3	4000				
CWF□□□4050	5 ~ 200	±5	4050				
CWF□□□4150	10 ~ 250		4150				
CWF□□□4300	20 ~ 1000		4300				
CWF□□□4500	20 ~ 1000		4500				