



传递温度·感知冷暖

NTC 温度传感器

NTC Temperature Sensor



高 精 度

High Accuracy

高 可 靠

High Reliability

高 灵 敏

High Sensitivity



肇庆爱晟传感器技术有限公司

Exsense Sensor Technology Co., Ltd.

公司介绍 Introduction:

肇慶愛晟傳感器技術有限公司專業從事研發、生產及銷售高精度、高靈敏、高可靠的 NTC 熱敏芯片、NTC 熱敏電阻、NTC 溫度傳感器等產品，廣泛應用於辦公自動化設備、智能家居、新能源汽車等領域。在 2019 年獲得國家高新技術企業證書，並成為全國知識產權示範單位。我司已獲得 IATF16949 汽車質量體系認證、TUV ISO9001 質量管理體系認證及一百餘項發明專利，同時是國內少數擁有從 NTC 熱敏芯片研發到成品生產全產業鏈的溫度傳感器製造商。



公司願景“創世界一流、造幸福愛晟”。現正致力於不斷完善管理機制，吸引優秀人才，強化質量意識，發展名牌戰略，在中國電子行業打造出世界一流的高品質 NTC 熱敏電阻與溫度傳感器，力爭將愛晟品牌（EXSENSE）衝出國門，走向世界！

Exsense Sensor Technology Co., Ltd. specialize in R&D, production and selling high-precision, high-sensitivity, high-reliability NTC chips, NTC thermistors, NTC temperature sensors and other products, which are widely used in office automation equipment, smart home, new energy vehicles and other fields. We gained the national high-tech enterprise certificate in year 2019 and became the national intellectual property demonstration unit. Meanwhile, we also gained the certificate of IATF16949 and ISO9001 quality management system from TUV and more than one hundred invention patents. We are one of the industrial chain company in China which is the manufactory from the design of NTC chip to NTC thermistor and finished products.

Our prospect is “Create world-class quality, Achieve a happy Exsense family”. We devote to building the world-class quality of NTC thermistor & temperature sensors and keep improving management mechanism & implementing famous brand strategy to make Exsense tend towards to the world.

产品特点 Advantages:

高精度 High Precision

高可靠 High Reliability

高灵敏 High Sensitivity

应用领域 Applications:

打印机 NTC Temperature Sensor For Printer

复印机（影印机） NTC Temperature Sensor For copier (photocopier)

多媒体设备 NTC Temperature Sensor For Multimedia facility

覆膜机 NTC Temperature Sensor For Laminating machine



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冷冻冷藏用 NTC 温度传感器

NTC Temperature Sensor for Refrigerator



应用 Application

- ◇ 空调、冰箱、冷柜、热泵、冷藏室等
- ◇ Air Conditioner, Refrigerator, Freezer, Heat Pump etc.

特点 Key Features

- ◇ TPE 树脂与 TPE 电线一体，优异的防水功能
- ◇ 高灵活性，易于安装
- ◇ 耐低温，高可靠性
- ◇ 工作温度范围：-50℃-120℃
- ◇ Good waterproof performance due to integral moulding of TPE resin and wire
- ◇ Easy fixation with its flexibility
- ◇ Low temperature resistance, high reliability
- ◇ Customized specification
- ◇ Operating temperature: -50℃-120℃

型号 Ordering Information

Part No.	R25℃ (KΩ)	B(K)	Rated Power @25℃ (mW)	Dissipation factor(δ) (mW/℃)	Thermal time constant (s)
202F25C3470FA	2	3470	10-20	2-4	3-20
502F25C3600FA	5	3600			
103F25C3977FB	10	3977			
203F25C3743FB	20	3743			
104F25C4250FA	100	4250			

汽车用 NTC 温度传感器

NTC Temperature Sensor for New Energy Vehicle



应用 Application

- ◇ 新能源汽车（储能、太阳能、汽车电池、充电桩、动力电池）等。
- ◇ New energy vehicles(Stored energy, Solar energy, Automobile battery, Charging pile, Power battery)etc.

特点 Key Features

- ◇ 性能稳定，可靠性高
- ◇ 便于安装
- ◇ 高导热性
- ◇ 接受定制
- ◇ 工作温度范围： -40℃-200℃
- ◇ Stable performance
- ◇ Easy for installation
- ◇ High thermal conductivity
- ◇ Customized specification
- ◇ Operating temperature: -40℃ - 200℃

型号 Ordering Information

Part No.	R25℃ (KΩ)	B(K)	Rated Power @25℃ (mW)	Dissipation factor(δ) (mW/℃)	Thermal time constant (s)
202F25C3936FA	2	3936	10-20	2-4	10-20
502F25C3950FA	5	3950			
103F25C3435FB	10	3435			
203F25C3977FB	20	3977			
104F25C4250FA	100	4250			

智能马桶用 NTC 温度传感器

NTC Temperature Sensor for Battery Pack



应用 Application

- ◇ 智能马桶、坐便器、水温或其他用途.
- ◇ intelligent closetool, Water Temperature or other applications etc.

特点 Key Features

- ◇ 性能稳定, 可靠性高
- ◇ 防水性能好
- ◇ 精度高
- ◇ 工作温度范围: -40°C - 150°C
- ◇ Stable performance
- ◇ Good waterproof performance
- ◇ High accuracy
- ◇ Operating temperature: -40°C - 150°C

型号 Ordering Information

Part No.	R25 $^{\circ}\text{C}$ (K Ω)	B(K)	Rated power @25 $^{\circ}\text{C}$ (mW)	Dissipation factor(δ) (mW/ $^{\circ}\text{C}$)	Thermal time constant (s)
202F3600A	2	3600	10-20	2-4	3-10
502F3470A	5	3470			
103F3435B	10	3435			
303F3936A	30	3936			
104F3950A	100	3950			

电子烟用玻璃封装 NTC 热敏电阻

Glass Sealed NTC Thermistor For Electronic Cigarette



应用 Application

- ◇ 电子烟、加热不燃烧电子烟
- ◇ Electronic Cigarette, HNB E-cigarette etc.

特点 Key Features

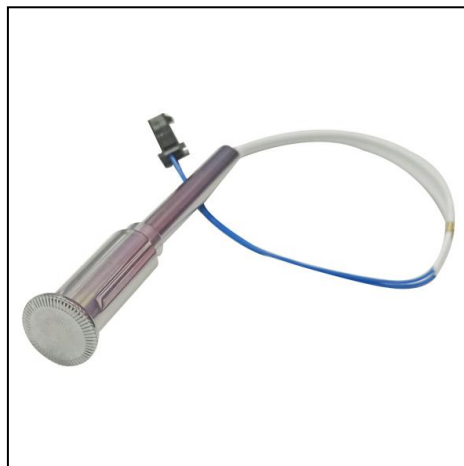
- ◇ 体积小，重量轻，结构坚固，
- ◇ 采用玻璃封装，耐超高温
- ◇ 热感应速度快，稳定性好，可靠性高
- ◇ 工作温度范围：-40℃-350℃
- ◇ Small, light, firm structure.
- ◇ Glass encapsulation, withstand high temperature.
- ◇ Rapid response time, high reliability, stability
- ◇ Operating temperature: -40℃-350℃

型号 Ordering Information

Part No.	R25℃ (KΩ)	B(K)	Rated power @25℃ (mW)	Dissipation factor(δ) (mW/℃)	Thermal time constant (s)
103F3435B-R	10	3435	35 50	0.4-1.3	1-5
103F3470A-R	10	3470			
473F3750A-R	47	3750			
503F3950A-R	50	3950			
104F4200A-R	100	4200			

集成燃气灶用 NTC 温度传感器 防干烧

◇ NTC Temperature Sensor For Integrated Gas Stove



应用 Application

- ◇ 集成燃气灶
- ◇ Integrated Gas Stove

特点 Key Features

- ◇ 高灵活性, 易于安装 Good waterproof performance, Easy to install
- ◇ 耐高温 High temperature resistance, High reliability
- ◇ 接受定制 Customized specification
- ◇ 工作温度范围: -40°C - 420°C Operating temperature: -40°C - 420°C

型号 Ordering Information

Part No.	R25 ^{°C} (K Ω)	B(K)	Rated Power @25 ^{°C} (mW)	Dissipation factor(δ) (mW/ ^{°C})	Thermal time constant (s)
202F25C3470FA	2	3470	10-20	2-4	3-20
502F25C3600FA	5	3600			
103F25C3950FA	10	3950			
103F25C3435FB	10	3435			
104F25C4250FA	100	4250			

智能家居用 NTC 温度传感器

NTC Temperature Sensor for Smart Home



应用 Application

- ◇ 咖啡机、饮水机、电水壶、烧水壶等各种智能家居电器
- ◇ 烤箱、烤炉、油炸锅、电磁炉、蒸汽锅、多士炉等
- ◇ Coffee Maker, Coffeepot, Water dispenser, Electric kettle etc.
- ◇ Oven, Toaster, Fryer, Steam kettle.

特点 Key Features

- ◇ 反应速度快，可达 0.5 秒
- ◇ 防水性能好
- ◇ 耐高温
- ◇ 工作温度范围：-40℃-250℃
- ◇ Fast response, can be 0.5S
- ◇ Good waterproof performance
- ◇ High Temperature resistance
- ◇ Operating temperature: -40℃- 250℃

型号 Ordering Information

Part No.	R25℃ (KΩ)	B(K)	Rated Power @25℃(mW)	Dissipation factor(δ) (mW/℃)	Thermal time constant (s)
103F25C3435FB	10	3435	10-20	2-4	3-6
103F25C3450FA	10	3450			
103F25C3470FA	10	3470			
503F25C3950FA	50	3950			
104F25C4250FA	100	4250			