

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF57 (汽车电子专用) 测温型NTC热敏电阻器系列

MF57 Series (Automotive Electronics-Specific) Temperature-Measurement NTC Thermistor

● 应用范围 Applications

主要用于汽车(内燃机车、大型电机、油浸变压器)的冷却系统作定点测温的感温元件,也可用在其它场合的温度测量。

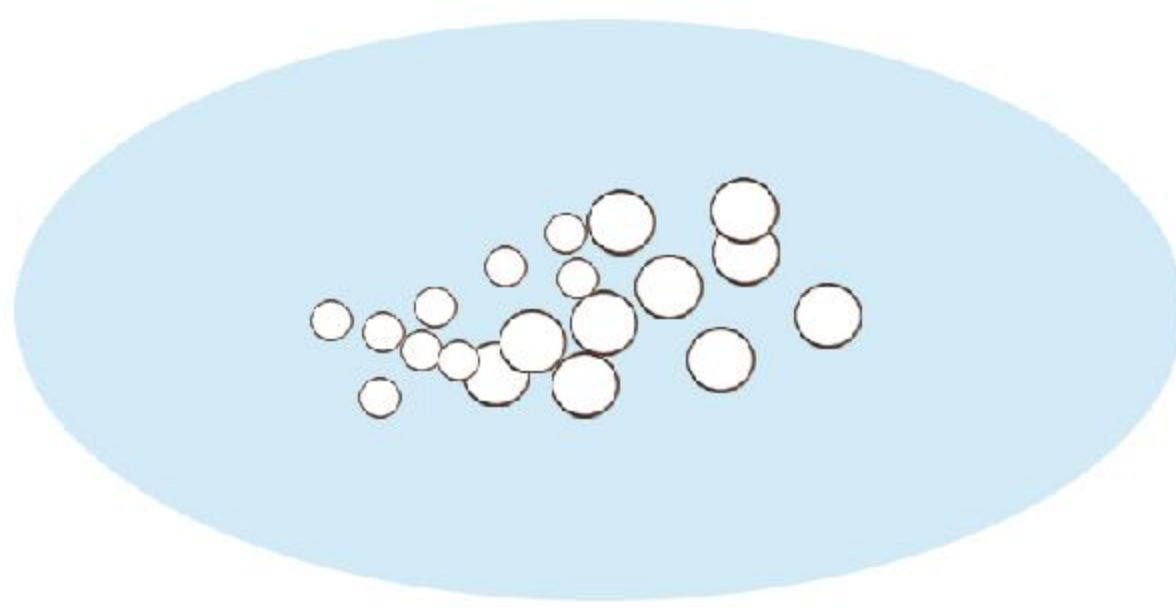
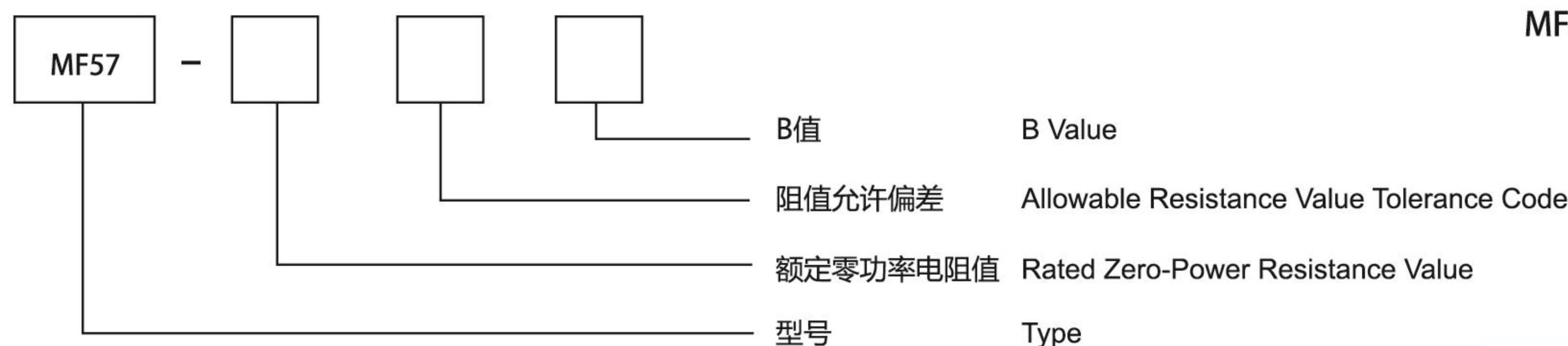
Primarily used as temperature-sensing components for point temperature measurement in automotive cooling systems (internal combustion engine vehicles, large motors, oil-immersed transformers), and can also be used for temperature measurement in other applications.

● 特点 Features

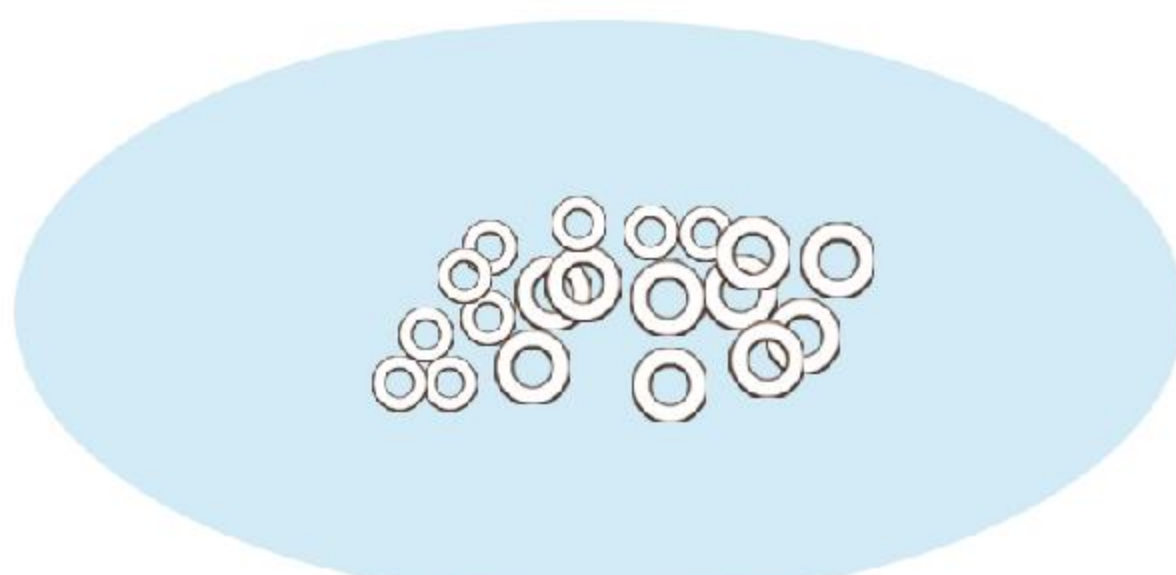
标称阻值与B值误差范围小,产品一致性、互换性好,可与各种国产及进口汽车仪表配套。

Nominal resistance and B Value have a small error range, ensuring excellent product consistency and interchangeability. Compatible with various domestic and imported automotive instrumentations.

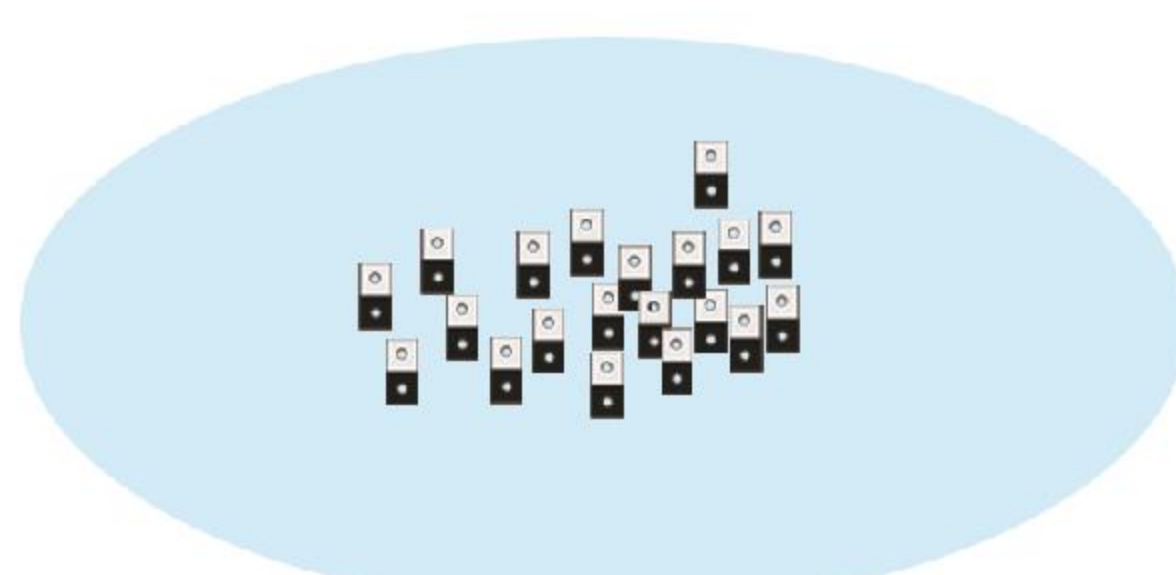
● 产品标志说明 Marking Instruction



MF57A

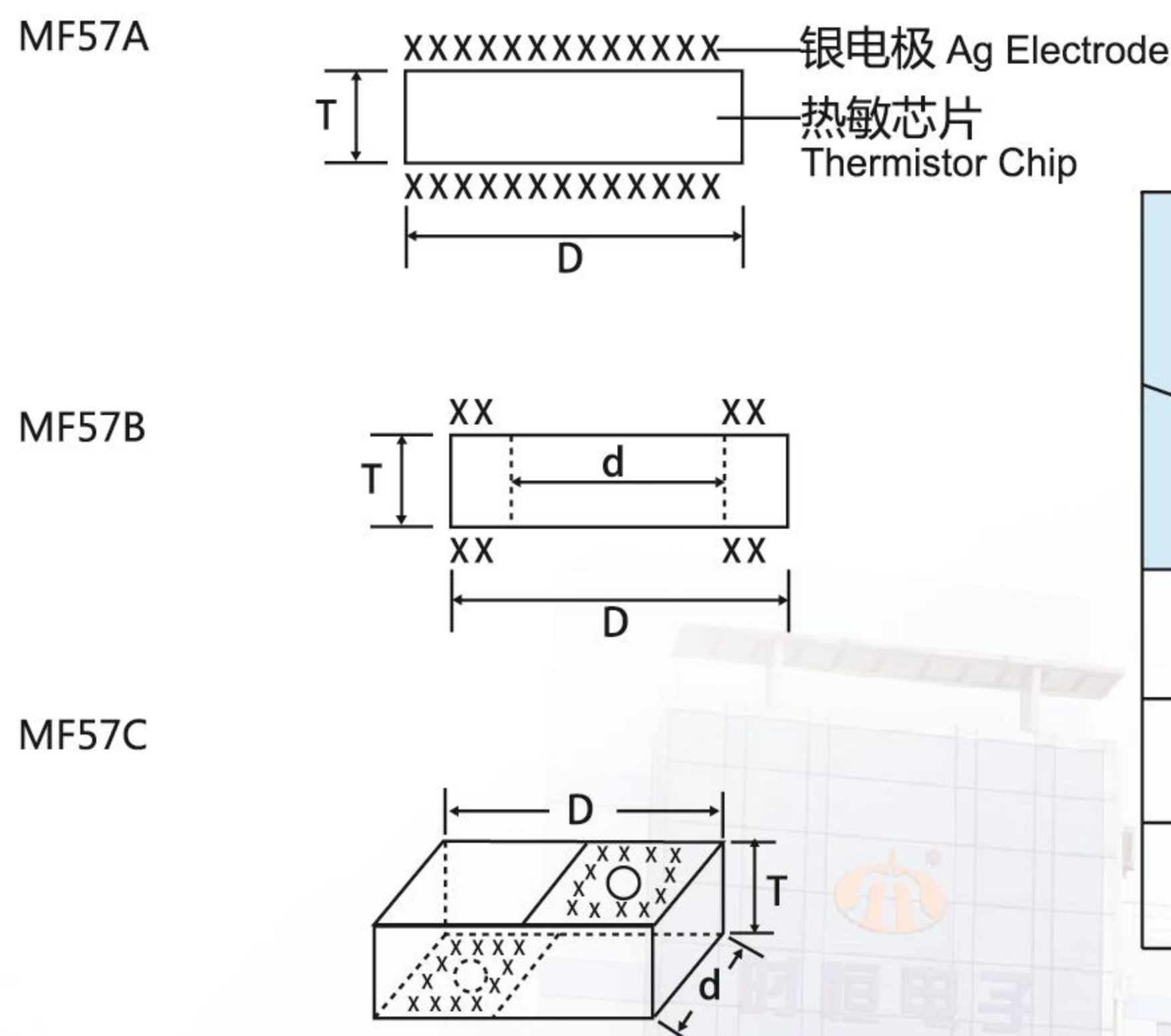


MF57B



MF57C

● 外形结构和尺寸 Main Technical Specifications



尺寸 Dim.(mm)	代号 Code	D±0.5	T±0.2	d±0.5
型号 Part No.				
MF57A		4.5 ~ 1.0	1.0~3.0	/
MF57B		6.6	1.6	3.6
MF57C		5	1.5~2.0	3

● 主要技术参数 Main Technical Specifications

型号 Part No.	25°C的零功率电阻值 Zero-Power Resistance at 25°C R <sub>25</sub>		B值 (25/50°C) B Value (25/50°C)		25°C时最大额定功耗 Max. Power Rating at 25°C	热时间常数约 Thermal Time Constant Approx.	耗散系数约 Dissipation Constant Approx.	工作温度 Operating Temperature
	阻值范围 Range (KΩ)	允许偏差 Allowable Tolerance (%)	标称值 Nominal Value (K)	允许偏差 Allowable Tolerance (%)	Pmax (mW)	τ (s)	δ (mW/°C)	(°C)
MF57A	0.22K~10K	F: ±1	2700~4700	F: ±1	0.3	60	6 ~ 13	-40 ~ +125
MF57B	0.4K~10K	J: ±5	3600~4500	F: ±1	0.2	50	3.5	
MF57C	0.4K~2K	J: ±5	2400~3000	F: ±1	0.2	60	3.5	