

板载式热敏电阻

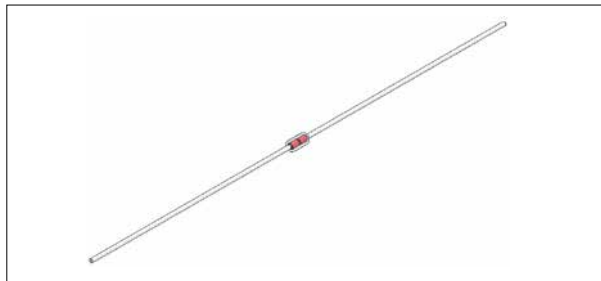
ON BOARD THERMISTOR



汽车

用于进气温度 用于ECU

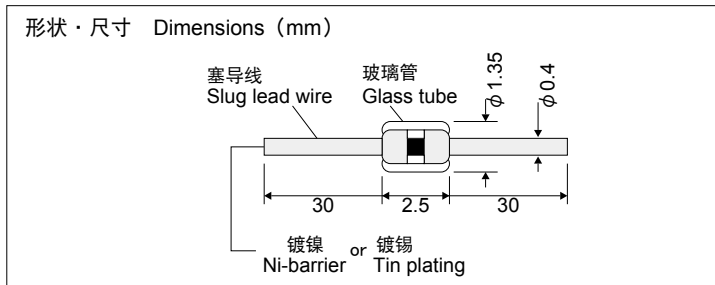
[轴向导线型]
GA13/GH13



Automotive products

For Air Temperature / For ECU

[Axial leaded type]
GA13 / GH13



■ 特点

- 可在高温下使用
- 适合自动插装

■ Features

- Suitable for high temperature applications.
- Can be used with automatic insertion equipment.

■ 特性 Characteristics

GA13/GH13 系列 (300°C耐热产品) GA13/GH13Series (300°C Heat resistance products)



| 系列名 Series | 型号 (type) | 使用温度范围 Temperature range | 电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C | | B值 (B _{25/50}) 容 许偏差 (%) B value tolerance | | 电阻值 R ₂₅ resistance | B值 B _{25/50} B value | B值 B _{25/85} B value | 最大功率 (mW) Maximum power dissipation | 散热系数 (mW/°C) Heat dissipation | 热响应时间常数 (S) Thermal time constant | | |
|---------------|-----------|--------------------------------|---|----|---|----|--------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------------------|--|-----|----|
| GA13 | 3G202** | -40~+300°C | - | - | ±3 | ±5 | - | ±3 | 2kΩ | 3,470K | 3,507K | 357 | 1.3 | 14 |
| | 3G302** | | - | - | ±3 | ±5 | - | ±3 | 3kΩ | 3,470K | 3,507K | | | |
| | 6D502** | | - | - | ±3 | ±5 | - | ±3 | 5kΩ | 3,950K | 3,961K | | | |
| | 6P303** | | - | - | ±3 | ±5 | - | ±3 | 30kΩ | 3,948K | 3,984K | | | |
| | 3U104** | | - | - | ±3 | ±5 | - | ±3 | 100kΩ | 3,965K | 4,038K | | | |
| GH13 | 3G202** | | ±1 | ±2 | ±3 | - | ±1 | - | 2kΩ | 3,470K | 3,507K | | | |
| | 3G302** | | ±1 | ±2 | ±3 | - | ±1 | - | 3kΩ | 3,470K | 3,507K | | | |
| | 6D502** | | ±1 | ±2 | ±3 | - | ±1 | - | 5kΩ | 3,950K | 3,961K | | | |
| | 6P303** | | ±1 | ±2 | ±3 | - | ±1 | - | 30kΩ | 3,948K | 3,984K | | | |
| | 3U104** | | ±1 | ±2 | ±3 | - | ±1 | - | 100kΩ | 3,965K | 4,038K | | | |

GA13/GH13 系列 (150°C耐热产品) GA13/GH13Series (150°C Heat resistance products)



| 系列名 Series | 型号 (type) | 使用温度范围 Temperature range | 电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C | | B值 (B _{25/50}) 容 许偏差 (%) B value tolerance | | 电阻值 R ₂₅ resistance | B值 B _{25/50} B value | B值 B _{25/85} B value | 最大功率 (mW) Maximum power dissipation | 散热系数 (mW/°C) Heat dissipation | 热响应时间常数 (S) Thermal time constant | | |
|---------------|-----------|--------------------------------|---|----|---|----|--------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------------------|--|-----|----|
| GA13 | 3H103** | -40~+150°C | - | - | ±3 | ±5 | - | ±3 | 10kΩ | 3,465K | 3,502K | 162 | 1.3 | 14 |
| | 6E203** | | - | - | ±3 | ±5 | - | ±3 | 20kΩ | 3,965K | 4,016K | | | |
| | 6H503** | | - | - | ±3 | ±5 | - | ±3 | 50kΩ | 3,770K | 3,820K | | | |
| GH13 | 3H103** | | ±1 | ±2 | ±3 | - | ±1 | - | 10kΩ | 3,465K | 3,502K | | | |
| | 6E203** | | ±1 | ±2 | ±3 | - | ±1 | - | 20kΩ | 3,965K | 4,016K | | | |
| | 6H503** | | ±1 | ±2 | ±3 | - | ±1 | - | 50kΩ | 3,770K | 3,820K | | | |

※ 关于镀镍产品与镀锡产品的型号表示法
希望订购镀锡产品时, 请将“- (连字符)”改为“Z”即可。
(例如) 镀镍产品: GA13-3H103**
镀锡产品: GA13Z3H103**

对于镀锡产品, 无论上述耐热产品如何分类, 容许温度全都为 150°C。

※ 关于 R-T 数据, 请参阅本公司网站。

※ For nickel or Tin plating

Place a "Z" in place of the "-" (hyphen) when ordering Tin plated parts.

(example) Nickel plated part : GA13-3H103**

Tin plated part : GA13Z3H103**

Please note Tin plated parts have a maximum heat resistances of 150°C.

※ Regarding R-T data, please refer to our web site.

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Automotive products

用于进气温度 用于ECU

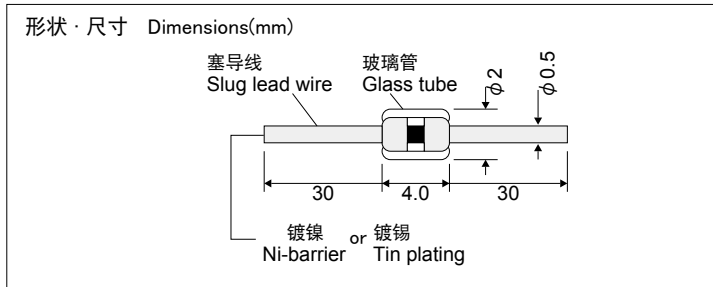
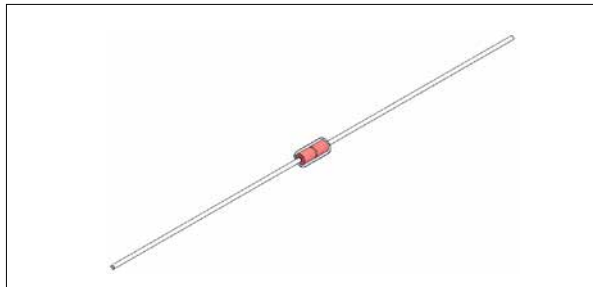
For Air Temperature / For ECU

[轴向导线型]

[Axial leaded type]

GA20/GH20

GA20 / GH20



特点

- 可在高温下使用
- 适合自动插装

Features

- Suitable for high temperature applications.
- Can be used with automatic insertion equipment.

特性 Characteristics

GA20/GH20系列 (300℃耐热产品) GA20/GH20Series (300℃Heat resistance products)

| 系列名 Series | 型号(Type) | 使用温度范围 Temperature range | 电阻值(R ₂₅)容许偏差(%) Resistance tolerance at 25℃ | | B值(B _{25/50}) 容许偏差(%) B value tolerance | | 电阻值 R ₂₅ resistance | B值 B _{25/50} B value | B值 B _{25/85} B value | 最大功率 (mW) Maximum power dissipation | 散热系数 (mW/℃) Heat dissipation | 热响应时间常数 (S) Thermal time constant | | |
|---------------|----------|--------------------------------|---|----|---|----|--------------------------------------|-------------------------------------|-------------------------------------|--|------------------------------------|--|--------|--------|
| | | | - | ± | - | ± | | | | | | | | |
| GA20 | 3G202** | -40~+300℃ | - | ±3 | - | ±3 | 2kΩ | 3,470K | 3,507K | 495 | 1.8 | 25 | | |
| | 3G302** | | - | ±3 | - | ±3 | 3kΩ | 3,470K | 3,507K | | | | | |
| | 6D502** | | - | ±3 | - | ±3 | 5kΩ | 3,950K | 3,961K | | | | | |
| | 6P203** | | - | ±3 | - | ±3 | 20kΩ | 3,948K | 3,984K | | | | | |
| | 6P303** | | - | ±3 | - | ±3 | 30kΩ | 3,948K | 3,984K | | | | | |
| | 3U503** | | - | ±3 | - | ±3 | 50kΩ | 3,965K | 4,038K | | | | | |
| | 3U104** | | - | ±3 | - | ±3 | 100kΩ | 3,965K | 4,038K | | | | | |
| GH20 | 3G202** | | ±1 | ±2 | ±3 | - | ±1 | - | 2kΩ | | | | 3,470K | 3,507K |
| | 3G302** | | ±1 | ±2 | ±3 | - | ±1 | - | 3kΩ | | | | 3,470K | 3,507K |
| | 6D502** | | ±1 | ±2 | ±3 | - | ±1 | - | 5kΩ | | | | 3,950K | 3,961K |
| | 6P203** | | ±1 | ±2 | ±3 | - | ±1 | - | 20kΩ | | | | 3,948K | 3,984K |
| | 6P303** | | ±1 | ±2 | ±3 | - | ±1 | - | 30kΩ | | | | 3,948K | 3,984K |
| | 3U503** | | ±1 | ±2 | ±3 | - | ±1 | - | 50kΩ | | | | 3,965K | 4,038K |
| | 3U104** | | ±1 | ±2 | ±3 | - | ±1 | - | 100kΩ | | | | 3,965K | 4,038K |

GA20/GH20系列 (150℃耐热产品) GA20/GH20Series (150℃Heat resistance products)

| 系列名 Series | 型号(Type) | 使用温度范围 Temperature range | 电阻值(R ₂₅)容许偏差(%) Resistance tolerance at 25℃ | | B值(B _{25/50}) 容许偏差(%) B value tolerance | | 电阻值 R ₂₅ resistance | B值 B _{25/50} B value | B值 B _{25/85} B value | 最大功率 (mW) Maximum power dissipation | 散热系数 (mW/℃) Heat dissipation | 热响应时间常数 (S) Thermal time constant |
|---------------|----------|--------------------------------|---|----|---|----|--------------------------------------|-------------------------------------|-------------------------------------|--|------------------------------------|--|
| | | | - | ± | - | ± | | | | | | |
| GA20 | 3H103** | -40~+150℃ | - | ±3 | - | ±3 | 10kΩ | 3,465K | 3,502K | 225 | 1.8 | 25 |
| GH20 | 3H103** | | ±1 | ±2 | ±3 | - | ±1 | - | 10kΩ | | | |

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对于镀锡产品, 无论上述耐热产品分类, 容许温度全都为150℃。
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Tin plated part : GA20Z3H103 **
Please note Tin plated parts have a maximum heat resistances of 150℃.

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