

**■ 描述 DESCRIPTIONS**

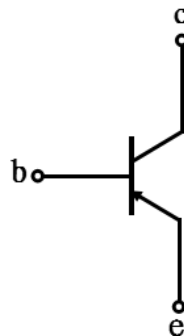
SOT-23 塑封封装 PNP 三极管。PNP transistor in a SOT-23 Plastic Package .

**■ 应用 APPLICATIONS**

高压电路、放大电路。High voltage switching、blow up .

**■ 引脚说明 PIN ASSIGNMENT**


- 1 BASE
- 2 EMITTER
- 3 COLLECTOR

**■ 内部等效电路 Equivalent Circuit**

**■ 型号构成 Name rule**

| 基本名称<br>Name   |                |                | 辅助识别代码<br>Additional code |                   |                 |                        |
|----------------|----------------|----------------|---------------------------|-------------------|-----------------|------------------------|
| 第一部分<br>Part 1 | 第二部分<br>Part 2 | 第三部分<br>Part 3 | 第四部分<br>Part 4            | 第五部分<br>Part 5    | 第六部分<br>Part 6  | 第七部分<br>Part 7         |
| 品牌<br>Brand    | 产品类别<br>Type   | 产品型号<br>Model  | 分档<br>Value               | 分隔号<br>Separatrix | 封装代码<br>Package | 附加码 (备用)<br>Extra-code |
| FH             | T : 三极管        | A92            |                           | "—"               | M: SOT-23       | E : ROHS               |

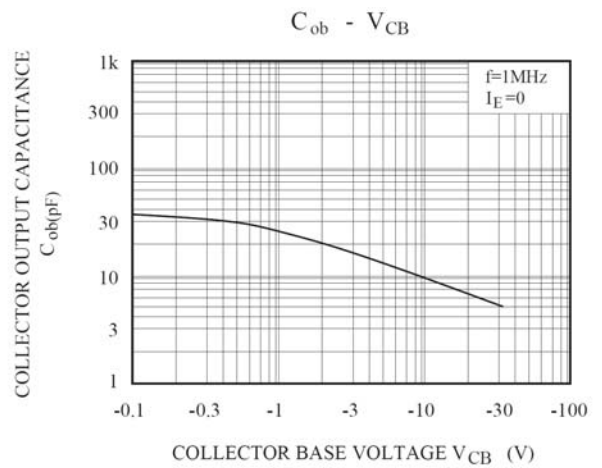
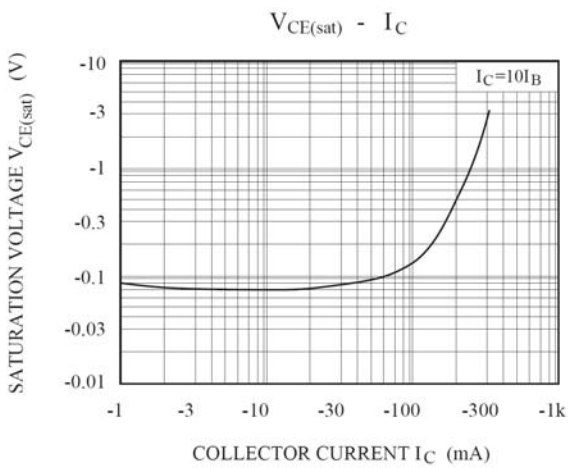
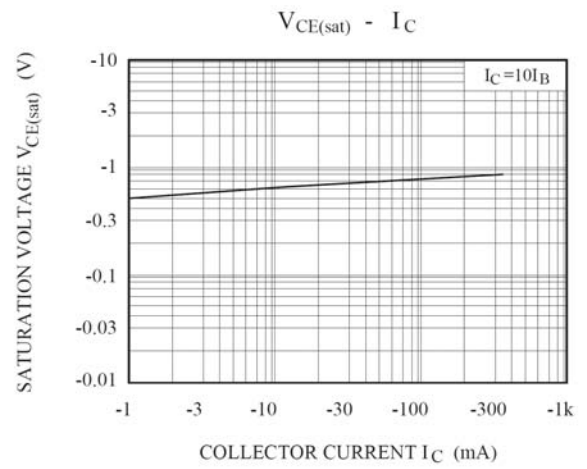
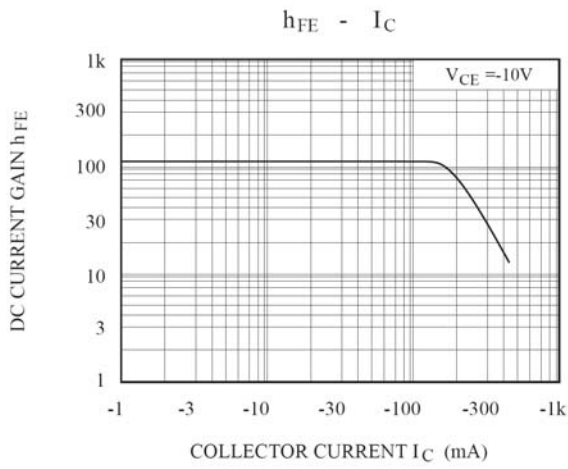
■ **额定值 ABSOLUTE MAXIMUM RATINGS** (TC=25°C unless otherwise noted)

| 特性参数<br>CHARACTERISTIC                 | 符号<br>SYMBOL | 额定值<br>RATING | 单位<br>UNIT |
|--|--------------|---------------|------------|
| 集电极-基极电压<br>Collector-Base Voltage     | $V_{CBO}$    | -300          | V          |
| 集电极-发射极电压<br>Collector-Emitter Voltage | $V_{CEO}$    | -300          | V          |
| 发射极-基极电压<br>Emitter-Base Voltage       | $V_{EBO}$    | -6            | V          |
| 集电极电流<br>Collector Current             | $I_C$        | -500          | mA         |
| 集电极耗散功率<br>Collector Power Dissipation | $P_C$        | 300           | mW         |
| 结温<br>Junction Temperature             | $T_j$        | 150           | °C         |
| 储存温度<br>Storage Temperature            | $T_{stg}$    | - 55~150      | °C         |

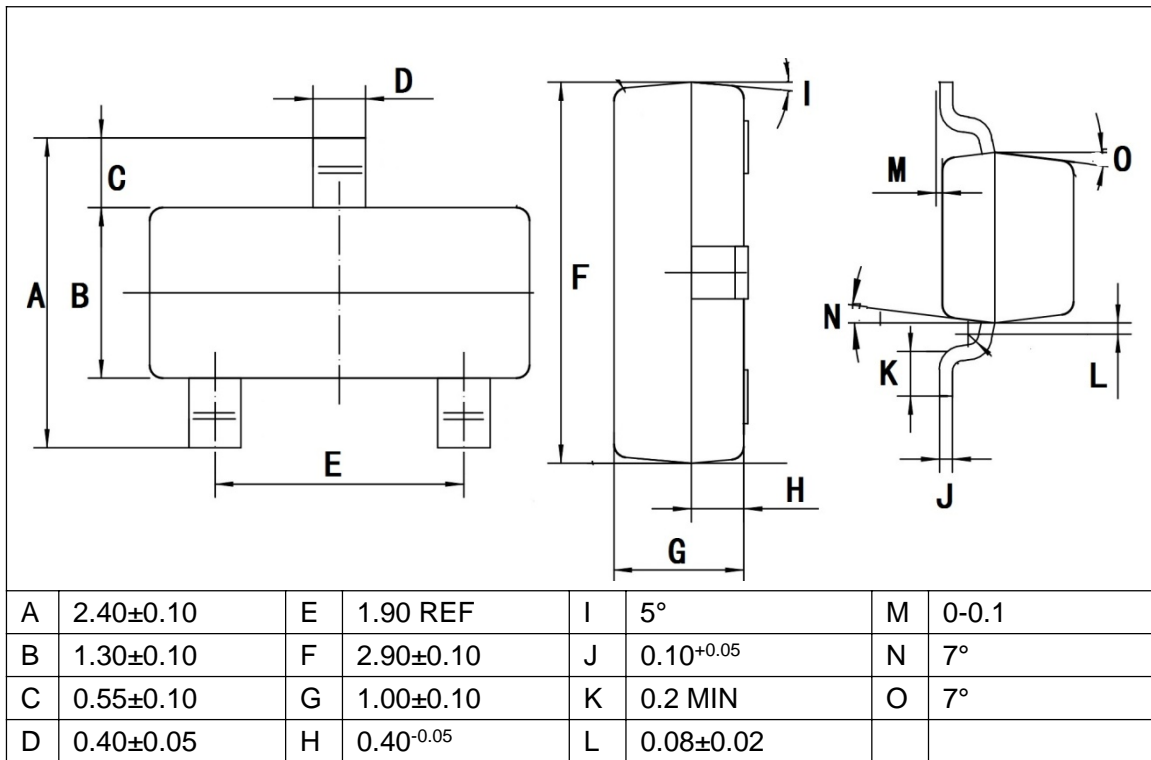
**■ 电特性 ELECTRICAL CHARACTERISTICS**

(TA=25°C unless otherwise noted 如无特殊说明, 温度为 25°C)

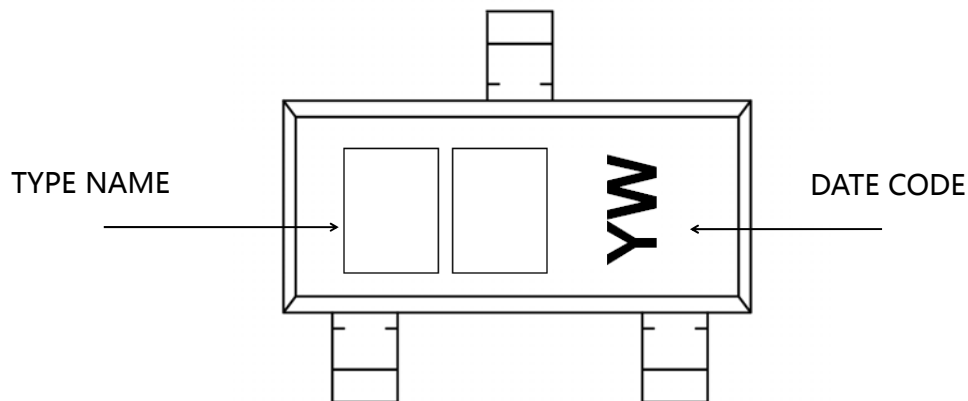
| 特性参数<br>CHARACTERISTIC                                 | 符号<br>SYMBOL  | 测试条件<br>TEST CONDITIONS      | 最小值<br>MIN. | 典型值<br>TYP. | 最大值<br>MAX. | 单位<br>UNIT |
|--|---------------|------------------------------|-------------|-------------|-------------|------------|
| 直流电流增益<br>DC Current Gain                              | $h_{FE}$      | $V_{CE} = -10V, I_c = -1mA$  | 25          |             |             |            |
|  |               | $V_{CE} = -10V, I_c = -10mA$ | 40          |             |             |            |
|  |               | $V_{CE} = -10V, I_c = -30mA$ | 25          |             |             |            |
| 集电极-基极反向截止电流<br>Collector Cut-off Current              | ICBO          | $V_{CB} = -300V, I_E = 0$    |             |             | -0.1        | $\mu A$    |
| 发射极-基极反向截止电流<br>Emitter Cut-off Current                | IEBO          | $V_{EB} = -6V, I_c = 0$      |             |             | -0.1        | $\mu A$    |
| 集电极-基极反向击穿电压<br>Collector-Base Voltage                 | BVCBO         | $I_c = -0.1mA, I_E = 0$      | -400        |             |             | V          |
| 集电极-发射极反向击穿电压<br>Collector-Emitter Voltage             | BVCEO         | $I_c = -5mA, I_B = 0$        | -400        |             |             | V          |
| 发射极-基极反向击穿电压<br>Emitter-Base Breakdown Voltage         | BVEBO         | $I_E = -0.1mA, I_c = 0$      | -6          |             |             | V          |
| 集电极-发射极饱和压降<br>Collector-Emitter Saturation<br>Voltage | $V_{CE(sat)}$ | $I_c = -20mA, I_B = -2mA$    |             |             | -0.5        | V          |
| 基极-发射极饱和压降<br>Base-Emitter Saturation Voltage          | $V_{BE(sat)}$ | $I_c = -20mA, I_B = 2mA$     |             |             | -0.9        | V          |

**■ 典型特性 TYPICAL CHARACTERISTICS**


■ 外形尺寸 DIMENSION



■ 打标 DEVICE MARKING



|          |           |
|----------|-----------|
| TYPE     | FHTA92-ME |
| $h_{FE}$ | >40       |
| MARK     | 2D        |

## ■ 包装信息 PACKAGE INFORMATION

| 材料名称<br>Material Name | 颜色<br>Color  | 尺寸<br>Size    | 数量<br>Quantity                                 | 备注<br>Note  |
|-----------------------|--------------|---------------|--|---|
| 卷盘<br>Reel            | 蓝色<br>Blue   | 7 " *8mm      | 3K/Reel  |   |
| 内盒<br>Inner Case      | 黄色<br>Yellow | 185*185*140mm | 30K/盒 ( 10 盘/盒 )<br>30K/Case ( 10 Reel/ Case ) | OHO2  |
| 外箱<br>Outer Box       | 黄色<br>Yellow | 460*400*210mm | 180K/箱 ( 6 盒/箱 )<br>180K/Box ( 6 Case/Box )    | OXO2  |
| 标签<br>Label           | 白色<br>White  | 68*40mm       | —  | 贴卷盘、内盒、外箱<br>Label on reel、inner case、<br>outer box |

单击下面可查看定价，库存，交付和生命周期等信息

[>>FH\(风华高科\)](#)