

用途:用于一般小信号放大。

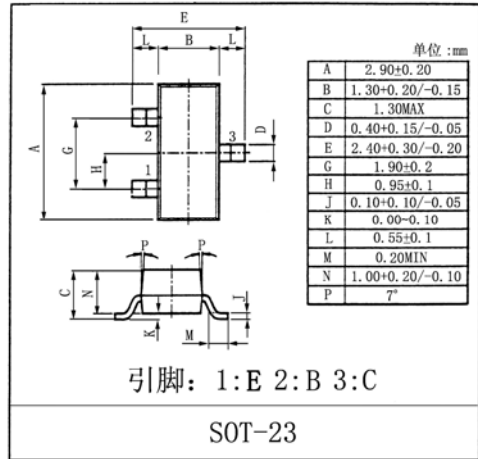
Purpose: General small signal amplifier applications.

特点: 低饱和压降, 低输出电容, 与 2SC5343S (3DG5343M) 互补。

Features: Low $V_{CE(sat)}$, low output capacitance, complementary pair with 2SC5343S (3DG5343M).

极限参数/Absolute maximum ratings ($T_a=25^\circ\text{C}$)

| 参数符号 Symbol | 数值 Rating | 单位 Unit |
|----------------|--------------|------------------|
| V_{CB0} | -50 | V |
| V_{CE0} | -50 | V |
| V_{EB0} | -5.0 | V |
| I_C | -150 | mA |
| P_C | 200 | mW |
| T_j | 150 | $^\circ\text{C}$ |
| T_{stg} | -55~150 | $^\circ\text{C}$ |



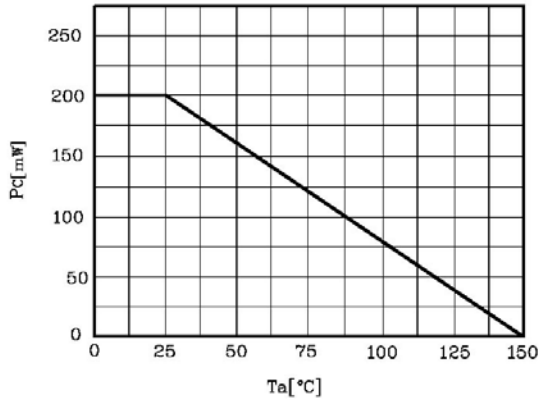
电性能参数/Electrical characteristics ($T_a=25^\circ\text{C}$)

| 参数符号 Symbol | 测试条件 Test condition | | 数值 Rating | | | 单位 Unit |
|----------------|------------------------|------------------------|-------------------|------------|------------|---------------|
| | | | 最小值 Min | 典型值 Typ | 最大值 Max | |
| V_{CB0} | $I_C=-100\mu\text{A}$ | $I_E=0$ | -50 | | | V |
| V_{CE0} | $I_C=-1.0\text{mA}$ | $I_B=0$ | -50 | | | V |
| V_{EB0} | $I_E=-10\mu\text{A}$ | $I_C=0$ | -5.0 | | | V |
| I_{CB0} | $V_{CB}=-50\text{V}$ | $I_E=0$ | | | -0.1 | μA |
| I_{EB0} | $V_{EB}=-5.0\text{V}$ | $I_C=0$ | | | -0.1 | μA |
| h_{FE} | $V_{CE}=-6.0\text{V}$ | $I_C=-2.0\text{mA}$ | 70 | | 700 | |
| $V_{CE(sat)}$ | $I_C=-100\text{mA}$ | $I_B=-10\text{mA}$ | | | -0.3 | V |
| f_T | $V_{CE}=-10\text{V}$ | $I_C=-1.0\text{mA}$ | 80 | | | MHz |
| C_{ob} | $V_{CB}=-10\text{V}$ | $I_E=0$ | $f=1.0\text{MHz}$ | 4.0 | 7.0 | pF |
| NF | $V_{CE}=-6.0\text{V}$ | $I_C=-0.1\text{mA}$ | $f=1.0\text{KHz}$ | | 10 | dB |
| | | $R_g=10\text{K}\Omega$ | | | | |

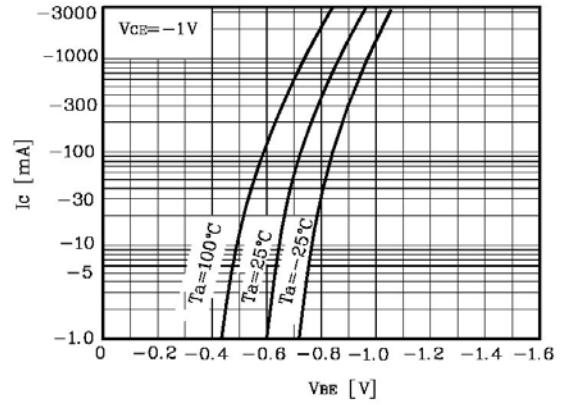
h_{FE} 分档、印章标记/ h_{FE} Classifications、Marking:

| | | | | |
|---|--------|---------|---------|---------|
| h_{FE} 分档 h_{FE} Classifications | 0 | Y | G | L |
| h_{FE} 范围 h_{FE} Range | 70~140 | 120~240 | 200~400 | 300~700 |
| 印章 Marking | HCA0 | HCA Y | HCAG | HCAL |

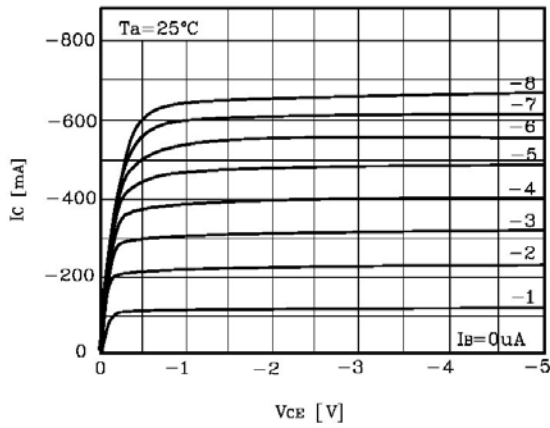
Pc-Ta



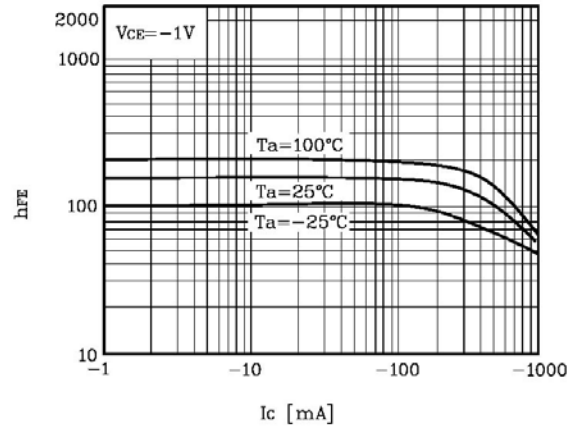
IC - V_{BE}



I_C - V_{CE}



h_{FE} - I_C



V_{CE(SAT)} - I_C

