



2SB1295 (3CG1295)

硅 PNP 半导体三极管/SILICON PNP TRANSISTOR

用途:用于音频功率放大, 中速开关, 小型电机驱动。

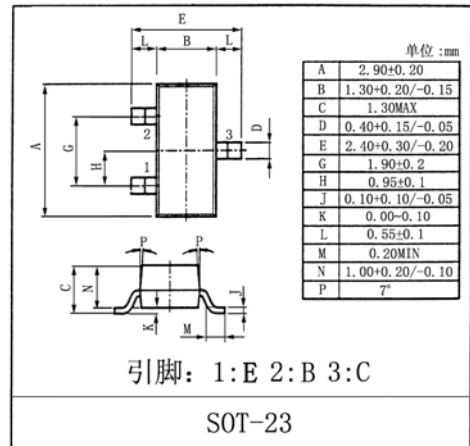
Purpose: AF power amplifier, medium-speed switching, small-sized motor drivers.

特点:电流容量大, 饱和压降低, 小封装尺寸使设备越来越小。

Features: Large current capacity, low collector to emitter saturation voltage,
very small-sized package permitting sets to be made smaller and slimer.

极限参数/Absolute maximum ratings(Ta=25°C)

| 参数符号 Symbol | 数值 Rating | 单位 Unit |
|------------------|--------------|------------|
| V _{CBO} | -15 | V |
| V _{CEO} | -15 | V |
| V _{EBO} | -5.0 | V |
| I _C | -800 | mA |
| I _{CP} | -3.0 | A |
| P _C | 200 | mW |
| T _j | 150 | °C |
| T _{stg} | -55~150 | °C |



电性能参数/Electrical characteristics(Ta=25°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 _{CBO} | I _C =-10 μ A | I _B =0 | -15 | | | V |
| V _{CEO} | I _C =-1.0m A | R _{BE} =∞ | -15 | | | V |
| V _{EBO} | I _E =-10 μ A | I _C =0 | -5.0 | | | V |
| I _{CBO} | V _{CB} =-12V | I _E =0 | | | -0.1 | μ A |
| I _{EBO} | V _{CE} =-4.0V | I _B =0 | | | -0.1 | μ A |
| h _{FE(1)} | V _{CE} =-2.0V | I _C =-50mA | 135 | | 600 | |
| h _{FE(2)} | V _{CE} =-2.0V | I _C =-800mA | 80 | | | |
| V _{CE(sat) (1)} | I _C =-5.0mA | I _B =-0.5mA | | -0.01 | -0.025 | V |
| V _{CE(sat) (2)} | I _C =-400mA | I _B =-20mA | | -0.1 | -0.2 | V |
| V _{BE(sat)} | I _C =-400mA | I _B =-20mA | | -0.9 | -1.2 | V |
| f _T | V _{CB} =-2.0V | I _C =-50mA | | 300 | | MHz |
| C _{ob} | V _{CB} =-10V | f=1.0MHz | | 15 | | pF |

| h _{FE} 分档/h _{FE} Classifications | Q | P | K |
|--|---------|---------|---------|
| h _{FE} 范围/h _{FE} Range | 135~270 | 200~400 | 300~600 |
| 印章/Marking | HULQ | HULP | HULK |



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