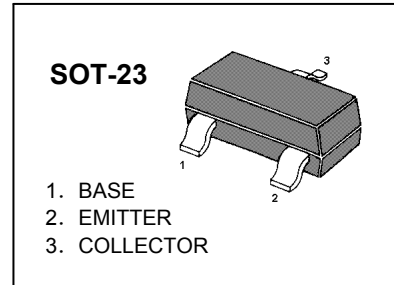


S9015-ML TRANSISTOR(PNP)

FEATURES

Complementary to S9014

MARKING: M6



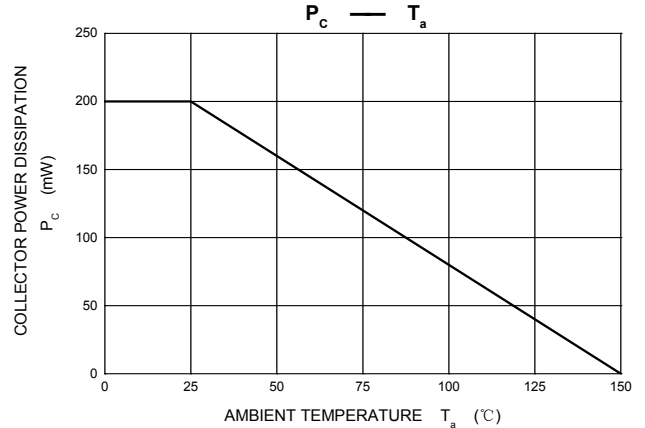
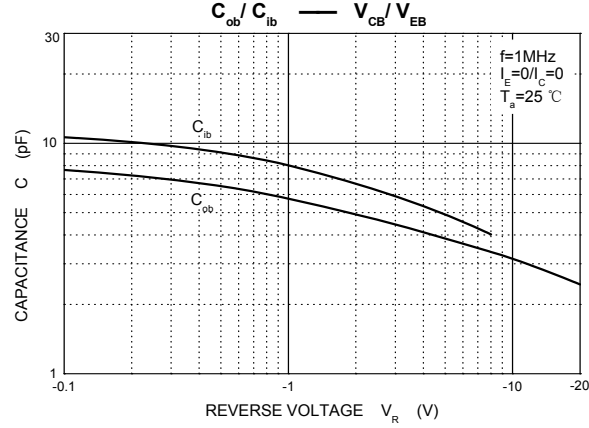
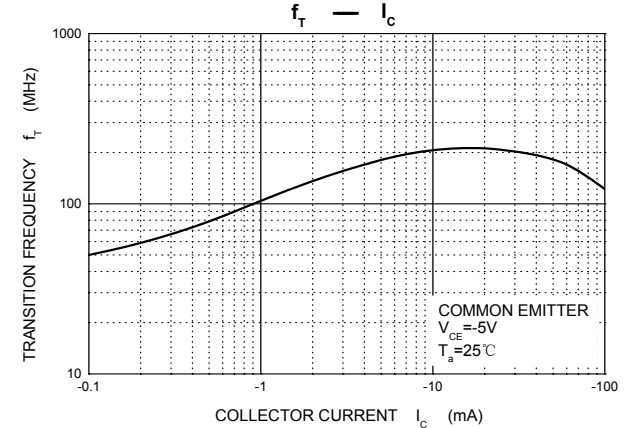
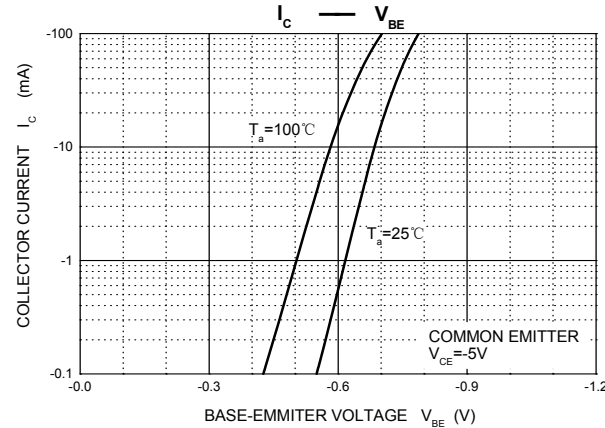
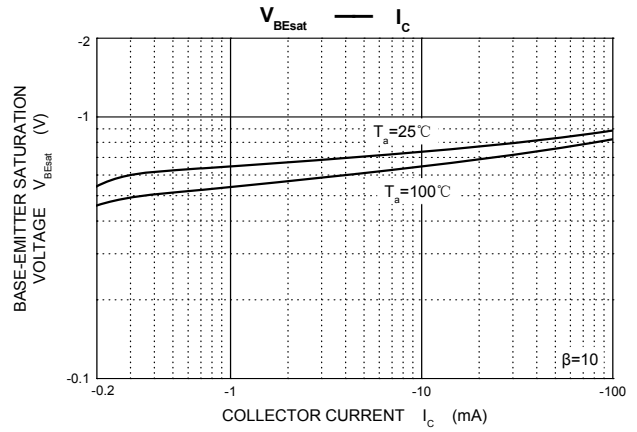
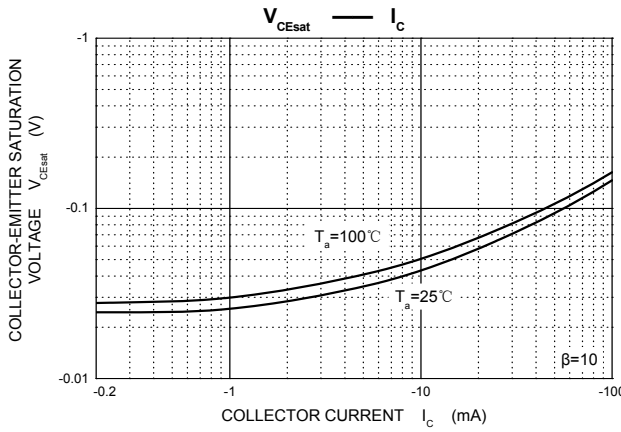
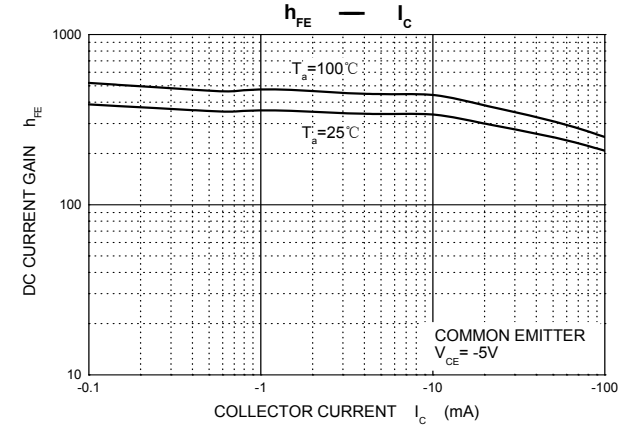
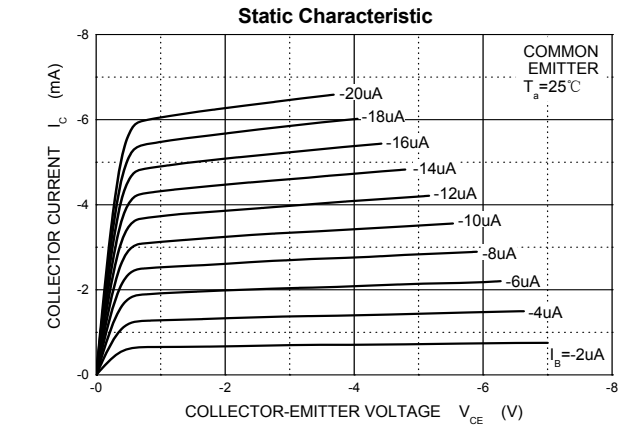
MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

| Symbol | Parameter | Value | Units |
|------------------|-------------------------------|---------|-------|
| V _{CB0} | Collector-Base Voltage | -50 | V |
| V _{CEO} | Collector-Emitter Voltage | -45 | V |
| V _{EBO} | Emitter-Base Voltage | -5 | V |
| I _C | Collector Current -Continuous | -0.1 | A |
| P _C | Collector Power Dissipation | 0.2 | W |
| T _j | Junction Temperature | 150 | °C |
| T _{stg} | Storage Temperature | -55-150 | °C |

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

| Parameter | Symbol | Test conditions | MIN | TYP | MAX | UNIT |
|--------------------------------------|----------------------|--|-----|-----|------|------|
| Collector-base breakdown voltage | V _{(BR)CBO} | I _C = -100μA, I _E = 0 | -50 | | | V |
| Collector-emitter breakdown voltage | V _{(BR)CEO} | I _C = -0.1mA, I _B = 0 | -45 | | | V |
| Emitter-base breakdown voltage | V _{(BR)EBO} | I _E = -100μA, I _C = 0 | -5 | | | V |
| Collector cut-off current | I _{CBO} | V _{CB} = -50V, I _E = 0 | | | -0.1 | μA |
| Emitter cut-off current | I _{EBO} | V _{EB} = -5V, I _C = 0 | | | -0.1 | μA |
| DC current gain | h _{FE} | V _{CE} = -5V, I _C = -1mA | 200 | | 450 | |
| Collector-emitter saturation voltage | V _{CE(sat)} | I _C = -100mA, I _B = -10mA | | | -0.3 | V |
| Base-emitter saturation voltage | V _{BE(sat)} | I _C = -100mA, I _B = -10mA | | | -1 | V |
| Transition frequency | f _T | V _{CE} = -5V, I _C = -10mA f = 30MHz | 150 | | | MHz |

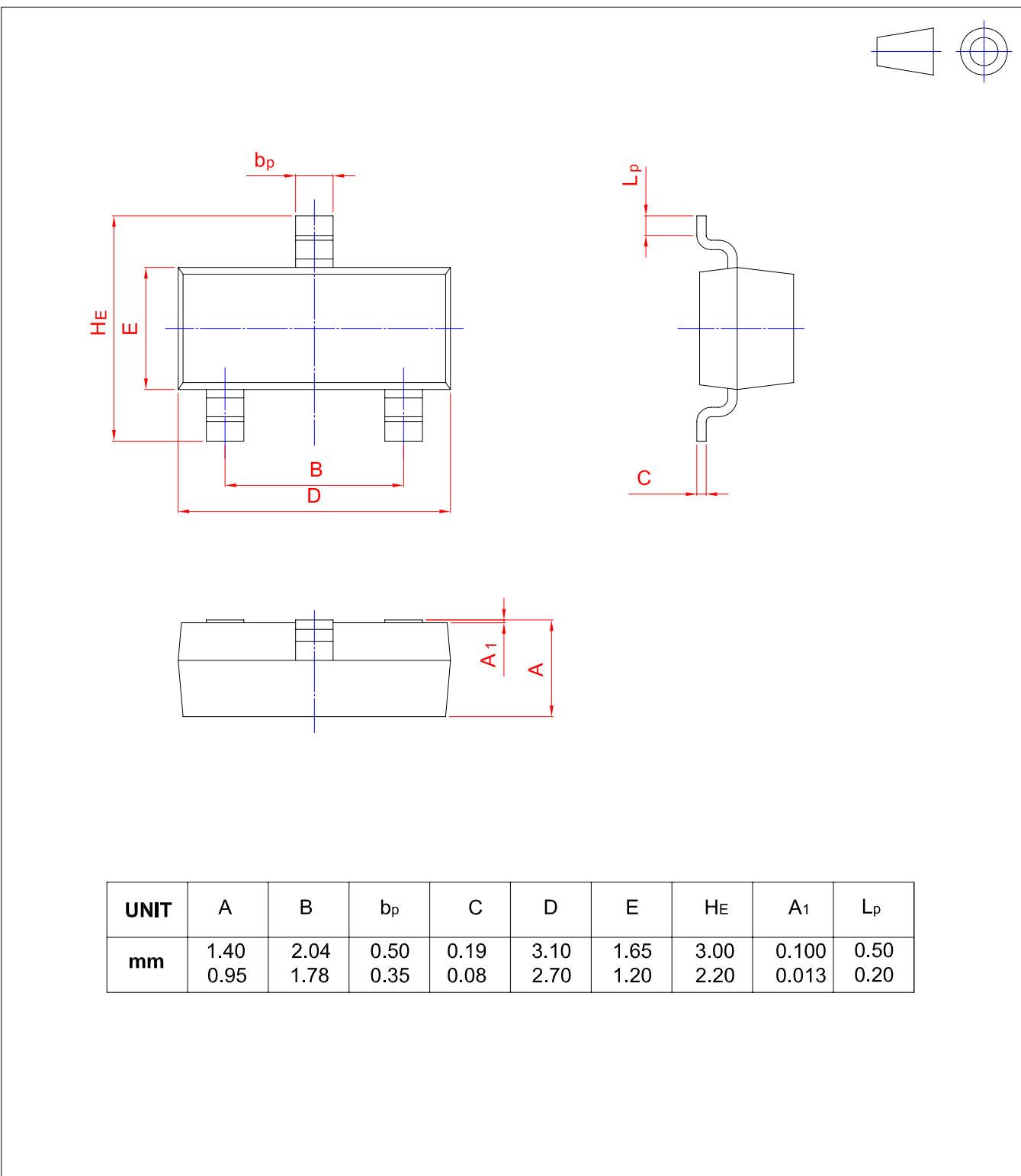
Typical Characteristics



PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

SOT-23



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