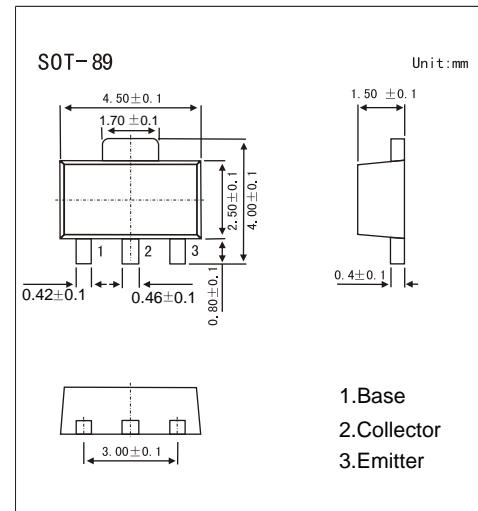


PNP Transistors

■ Features

- PNP transistor High current output up to 3A
- Low Saturation Voltage
- Complement to 2SD882



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|---------------------------------|-----------|------------|------------------|
| Collector to Base Voltage | V_{CBO} | -40 | V |
| Collector to Emitter Voltage | V_{CEO} | -30 | V |
| Emitter to Base Voltage | V_{EBO} | -6 | V |
| Collector Current to Continuous | I_C | -3 | A |
| Collector Dissipation | P_c | 1.0 | W |
| Junction Temperature | T_J | 150 | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | -55 to 150 | $^\circ\text{C}$ |

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|--------------------------------------|---------------|--|-----|-----|------|---------------|
| Collector-base breakdown voltage | V_{CBO} | $I_C = -100\mu\text{A}, I_E = 0$ | -40 | | | V |
| Collector-emitter breakdown voltage | V_{CEO} | $I_C = -10\text{mA}, I_B = 0$ | -30 | | | V |
| Emitter-base breakdown voltage | V_{EBO} | $I_E = -100\mu\text{A}, I_C = 0$ | -6 | | | V |
| Collector cut-off current | I_{CBO} | $V_{CB} = -40\text{V}, I_E = 0$ | | | -1 | μA |
| Emitter cut-off current | I_{EBO} | $V_{EB} = -6\text{V}, I_C = 0$ | | | -1 | μA |
| DC current gain | h_{FE} | $V_{CE} = -2\text{V}, I_C = -1\text{A}$ | 60 | | 400 | |
| | | $V_{CE} = -2\text{V}, I_C = -100\text{mA}$ | 32 | | | |
| Collector-emitter saturation voltage | $V_{CE(sat)}$ | $I_C = -2\text{A}, I_B = -0.2\text{A}$ | | | -0.5 | V |
| Base-emitter saturation voltage | $V_{BE(sat)}$ | $I_C = -2\text{A}, I_B = -0.2\text{A}$ | | | -1.5 | V |
| Transition frequency | f_T | $V_{CE} = -5\text{V}, I_C = -0.1\text{mA}, f = 10\text{MHz}$ | 50 | | | MHz |

■ Classification of $h_{FE}(1)$

| Type | B772-R | B772-Q | B772-P | B772-E |
|---------|--------|---------|---------|---------|
| Range | 60-120 | 100-200 | 160-320 | 200-400 |
| Marking | 772R | 772Q | 772P | 772E |

■ Typical Characteristics

