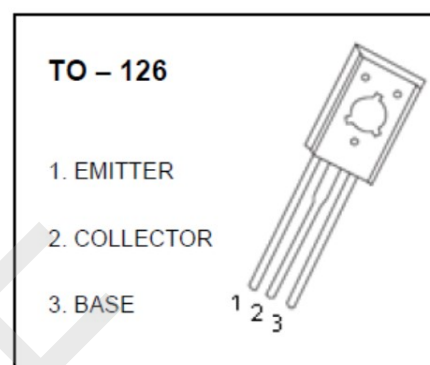


- Complementary to 2SC2912
- Package: TO-126

**Maximum Ratings (Ta = 25°C)**

| Parameter                   | Symbol     | Rating       | Unit |
|-----------------------------|------------|--------------|------|
| Collector-base voltage      | $BV_{CBO}$ | -200         | V    |
| Collector-emitter voltage   | $BV_{CEO}$ | -200         | V    |
| Emitter-base voltage        | $BV_{EBO}$ | -5           | V    |
| Collector current           | $I_C$      | -140         | mA   |
| Peak Collector current      | $I_{CP}$   | -200         | mA   |
| Collector Power Dissipation | $P_C$      | 1            | W    |
|                             | $P_C$      | Ta = 25°C 20 |      |
| Junction Temperature        | $T_j$      | 150          | °C   |
| Storage Temperature         | $T_{stg}$  | -55 ~ +150   | °C   |


**Electrical Characteristics (Ta=25°C)**

| Parameter                            | Symbol      | Test Condition               | Min  | Typ | Max  | Unit    |
|--------------------------------------|-------------|------------------------------|------|-----|------|---------|
| Collector-Base Breakdown Voltage     | $BV_{CBO}$  | $I_C = -1mA, I_E = 0$        | -200 |     |      | V       |
| Collector-Emitter Breakdown Voltage  | $BV_{CEO}$  | $I_C = -10mA, I_B = 0$       | -200 |     |      | V       |
| Emitter-Base Breakdown Voltage       | $BV_{EBO}$  | $I_E = -1mA, I_C = 0$        | -5   |     |      | V       |
| collector-base cut-off current       | $I_{CBO}$   | $V_{CB} = -160V, I_E = 0$    |      |     | -1   | $\mu A$ |
| emitter-base cut-off current         | $I_{EBO}$   | $V_{EB} = -4V, I_C = 0$      |      |     | -1   | $\mu A$ |
| DC current gain                      | $H_{FE1}$   | $V_{CE} = -5V, I_C = -10mA$  | 100  |     | 400  |         |
| collector-emitter saturation voltage | $V_{CESAT}$ | $I_C = -50mA, I_B = -5mA$    |      |     | -0.4 | V       |
| Base-Emitter Voltage                 | $V_{BE}$    | $V_{CE} = -5V, I_C = -10mA$  |      |     | -1.2 |         |
| Transition frequency                 | $f_T$       | $V_{CE} = -10V, I_C = -10mA$ |      | 150 |      | MHz     |

**Classification of  $H_{FE}$** 

| Rank  | R       | S       | T       |
|-------|---------|---------|---------|
| Range | 100-200 | 140-280 | 200-400 |