

isc Silicon PNP Power Transistor
NJW0302G
DESCRIPTION

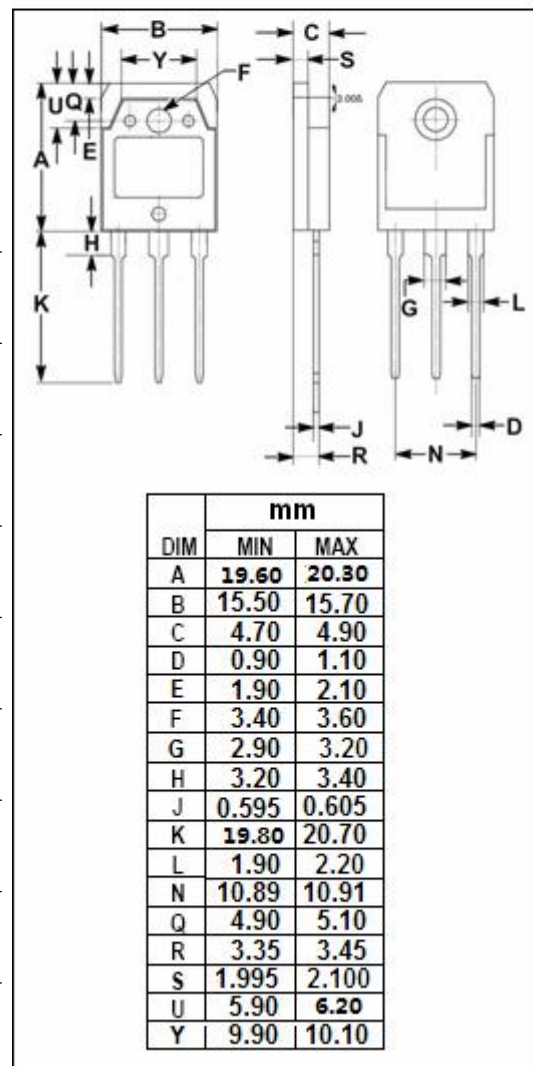
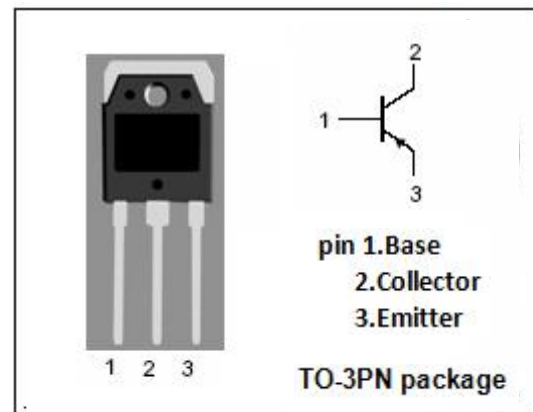
- High Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -250V(\text{Min})$
- Good Linearity of h_{FE}
- Complement to Type NJW0281G
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for high fidelity audio amplifier and other linear applications

ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ\text{C}$)

| SYMBOL | PARAMETER | VALUE | UNIT |
|-----------|---|---------|------------------|
| V_{CBO} | Collector-Base Voltage | -250 | V |
| V_{CEO} | Collector-Emitter Voltage | -150 | V |
| V_{EBO} | Emitter-Base Voltage | -5 | V |
| I_C | Collector Current-Continuous | -15 | A |
| I_B | Base Current-Continuous | -1.5 | A |
| P_C | Collector Power Dissipation @ $T_C=25^\circ\text{C}$ | 120 | W |
| T_J | Junction Temperature | 150 | $^\circ\text{C}$ |
| T_{stg} | Storage Temperature Range | -65~150 | $^\circ\text{C}$ |



isc Silicon PNP Power Transistor**NJW0302G****ELECTRICAL CHARACTERISTICS****T_c=25°C unless otherwise specified**

| SYMBOL | PARAMETER | CONDITIONS | MIN | TYP. | MAX | UNIT |
|----------------------|--------------------------------------|---|------|------|------|------|
| V _{(BR)CEO} | Collector-Emitter Breakdown Voltage | I _C = -10mA ; I _B = 0 | -150 | | | V |
| V _{CE(sat)} | Collector-Emitter Saturation Voltage | I _C = -5.0A; I _B = -0.5A | | | -1.0 | V |
| V _{BE(on)} | Base-Emitter On Voltage | I _C = -5.0 A, V _{CE} = -5.0 V | | | -1.2 | V |
| I _{CBO} | Collector Cutoff Current | V _{CB} = -250V ; I _E = 0 | | | -10 | μ A |
| I _{EBO} | Emitter Cutoff Current | V _{EB} = -5V; I _C = 0 | | | -5 | μ A |
| h _{FE-1} | DC Current Gain | I _C = -1A ; V _{CE} = 5V | 30 | | 60 | |

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