

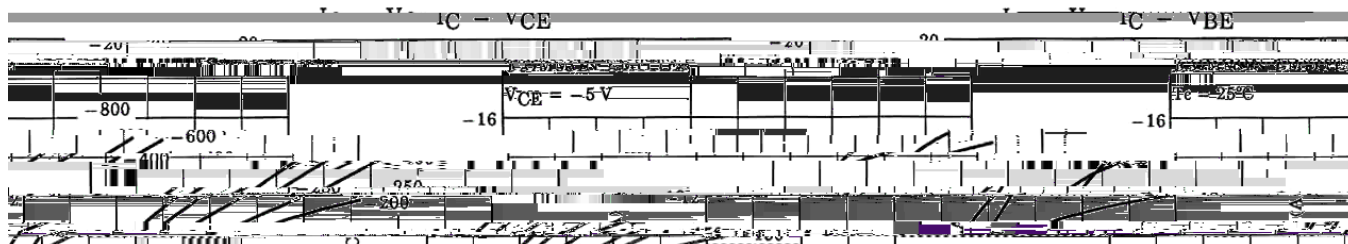
Silicon PNP transistor in a TO-3P Plastic Package.

Recommend for 100W high fidelity audio frequency amplifier output stage, Complementary to

| Parameter                      | Symbol         | Rating  | Unit |
|--------------------------------|----------------|---------|------|
| Collector to Base Voltage      | $V_{CBO}$      | -230    | V    |
| Collector to Emitter Voltage   | $V_{CEO}$      | -230    | V    |
| Emitter to Base Voltage        | $V_{EBO}$      | -5      | V    |
| Collector Current - Continuous | $I_C$          | -15     | A    |
| Peak Collector Current         | $I_{CP}$       | -30     | A    |
| Base Current                   | $I_B$          | -1.5    | A    |
| Collector Power Dissipation    | $P_{C(TC=25)}$ | 150     | W    |
| Junction Temperature           | $T_j$          | 150     |      |
| Storage Temperature Range      | $T_{stg}$      | -55 150 |      |

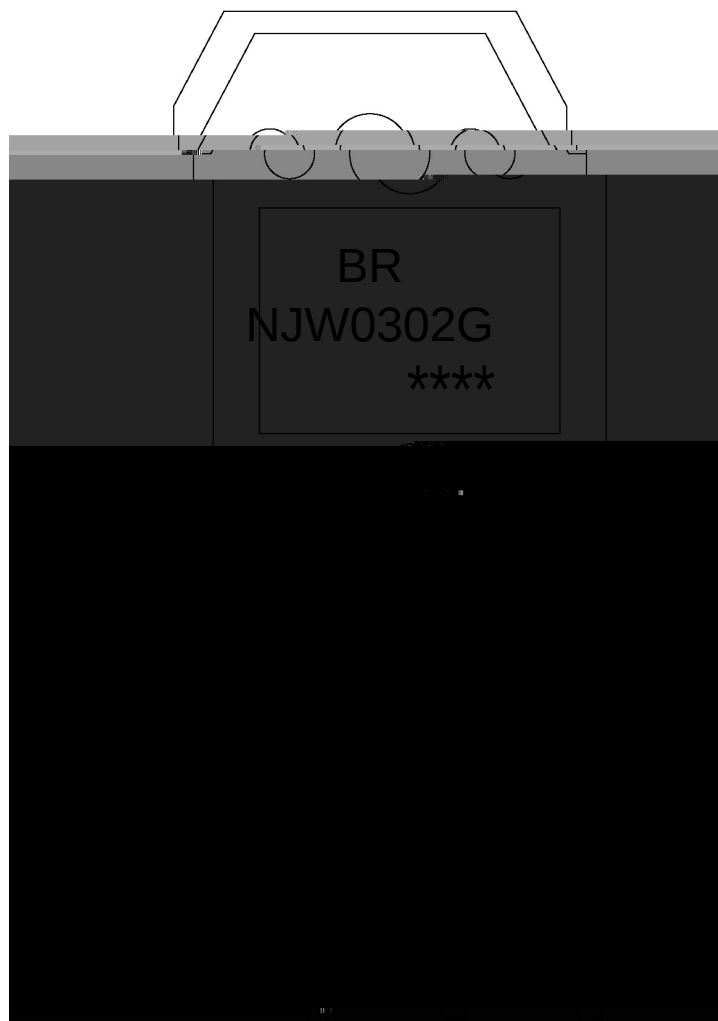
| Parameter                               | Symbol        | Test Conditions            | Min  | Typ  | Max  | Unit    |
|-----------------------------------------|---------------|----------------------------|------|------|------|---------|
| Collector to Emitter Breakdown Voltage  | $V_{CEO}$     | $I_C=-50mA$ $I_B=0$        | -230 |      |      | V       |
| Collector Cut-Off Current               | $I_{CBO}$     | $V_{CB}=-230V$ $I_E=0$     |      |      | -5.0 | $\mu A$ |
| Emitter Cut-Off Current                 | $I_{EBO}$     | $V_{EB}=-5.0V$ $I_C=0$     |      |      | -5.0 | $\mu A$ |
| DC Current Gain                         | $h_{FE(1)}$   | $V_{CE}=-5.0V$ $I_C=-1.0A$ | 55   |      | 160  |         |
|                                         | $h_{FE(2)}$   | $V_{CE}=-5.0V$ $I_C=-7.0A$ | 35   | 60   |      |         |
| Collector to Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=-8.0A$ $I_B=-0.8A$    |      | -1.5 | -3.0 | V       |
| Base to Emitter Voltage                 | $V_{BE}$      | $V_{CE}=-5.0V$ $I_C=-7.0A$ |      | -1.0 | -1.5 | V       |
| Transition Frequency                    | $f_T$         | $I_C=-1.0A$ $V_{CE}=-5.0V$ | 30   |      | MHz  |         |

/ Electrical Characteristic Curve





/ Marking Instructions



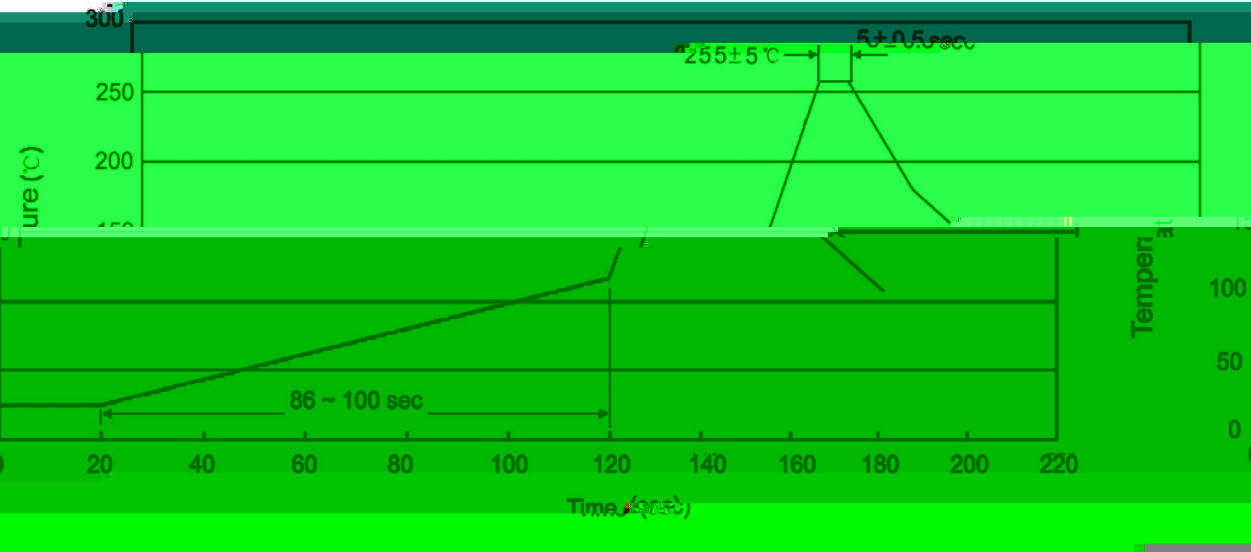
Note:

BR: Company Code.

NJW0302G: Product Type.

\*\*\*\*: Lot No. Code, code change with Lot No.

(     ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- |   |     |     |    |          |                                         |
|---|-----|-----|----|----------|-----------------------------------------|
| 1 | 25  | 150 | 60 | 90sec;   | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 255 | 5   | 5  | 0.5sec;  | 2.Peak Temp.:255 5 , Duration:5 0.5sec. |
| 3 |     |     | 2  | 10 /sec. | 3. Cooling Speed: 2~10 /sec.            |

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