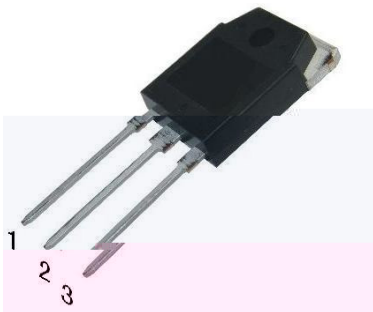
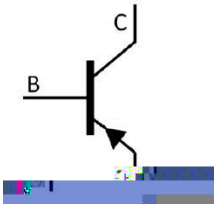


TO-3P          PNP          Silicon PNP transistor in a TO-3P Plastic Package.

100W          NJW0281GC  
Recommend for 100W high fidelity audio frequency amplifier output stage, Complementary to NJW0281GC.

Power amplifier applications.



PIN1 Base          PIN 2 Collector          PIN 3

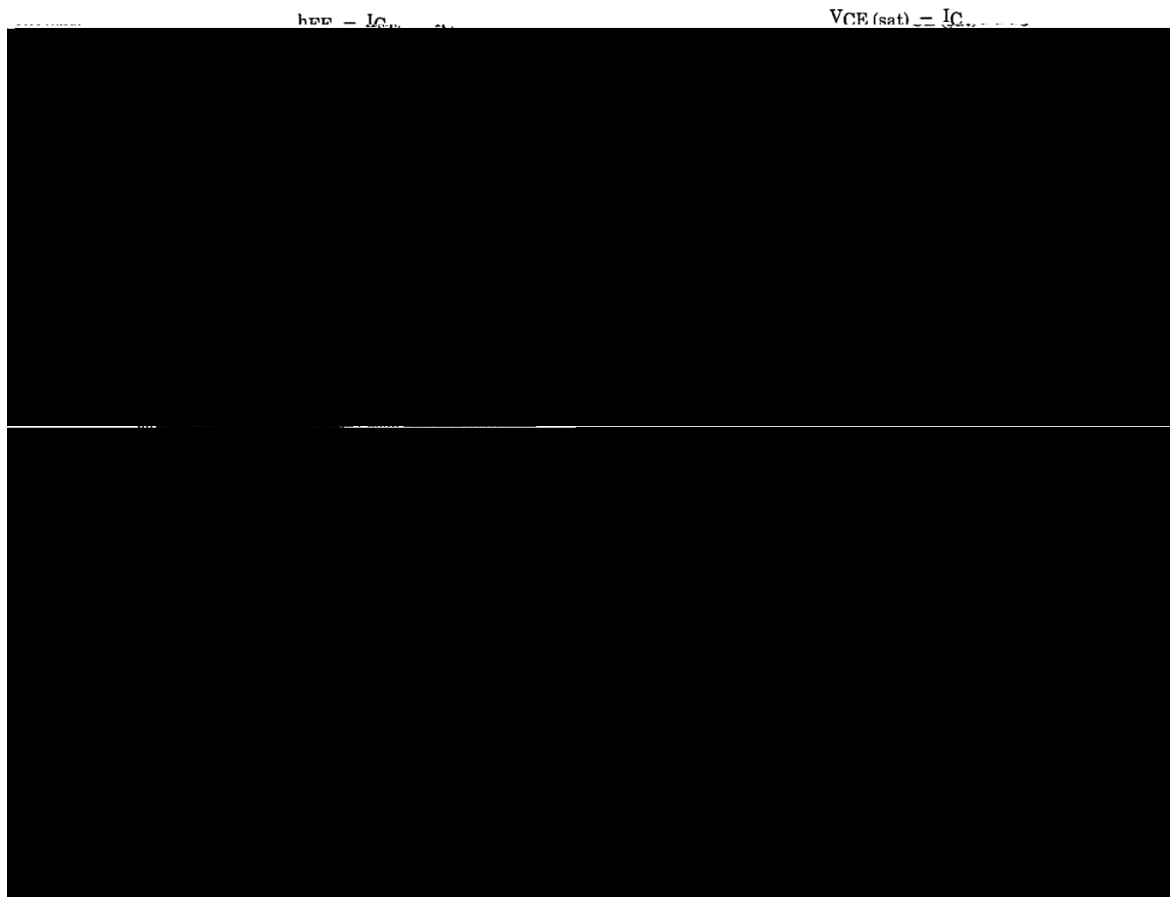
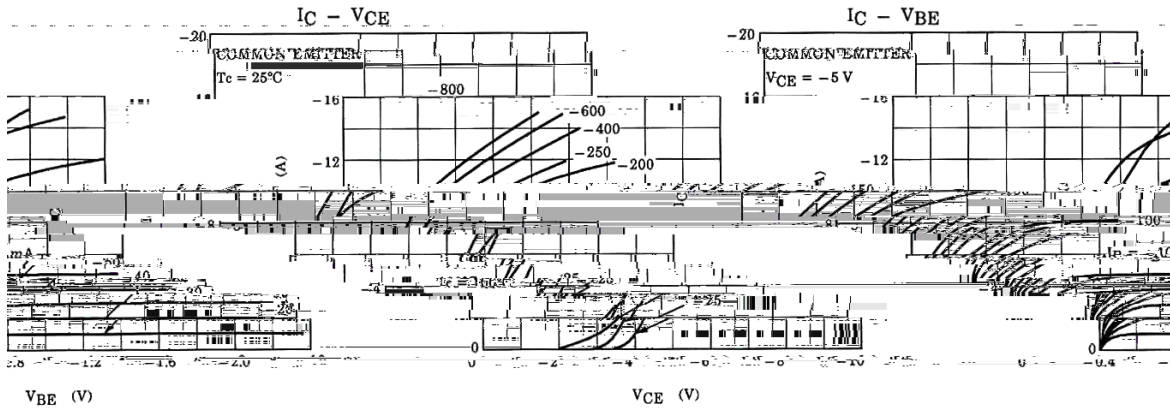
**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-360	V
Collector to Emitter Voltage	$V_{CEO}$	-360	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	

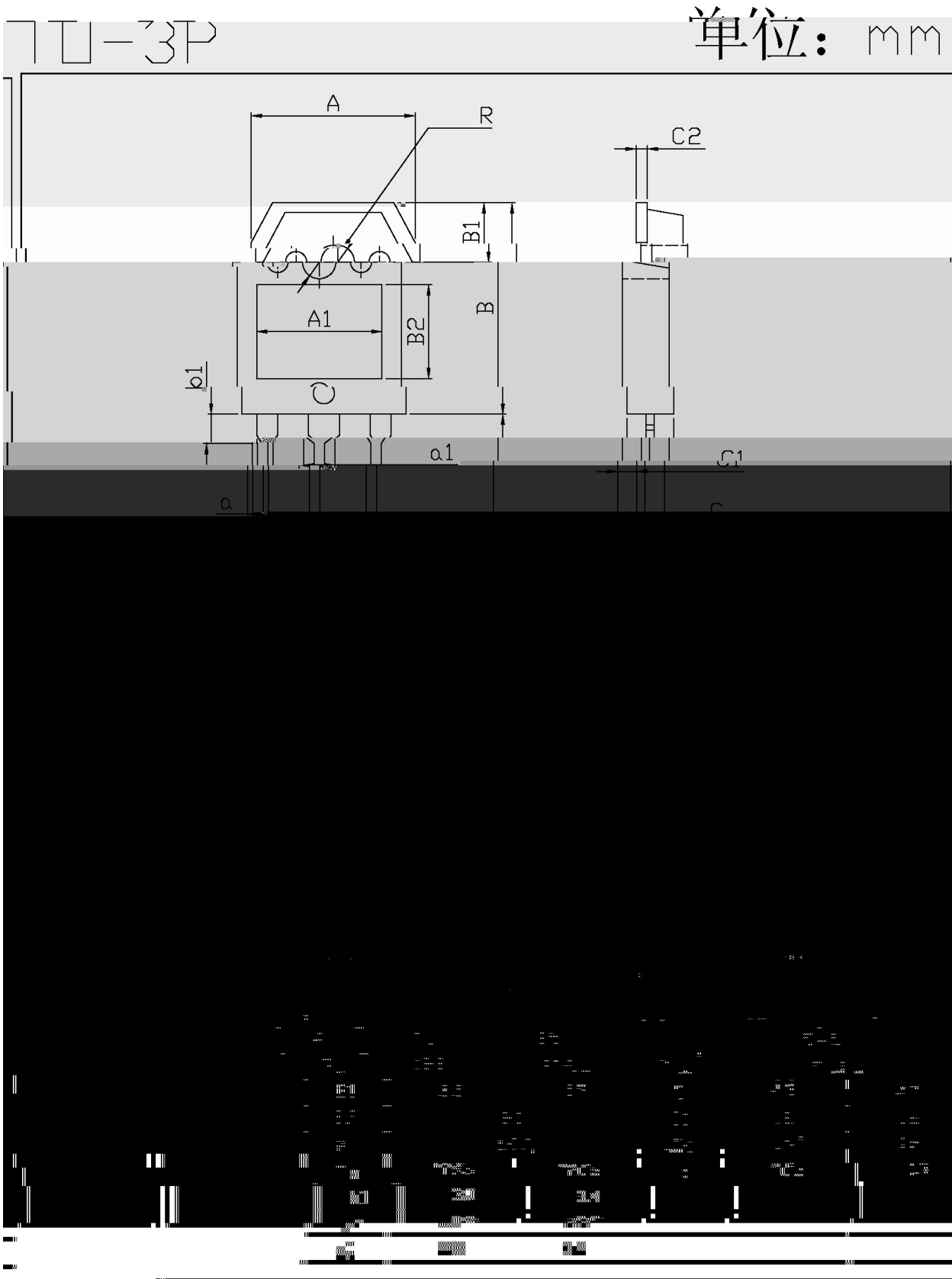
**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=-50mA$ $I_B=0$	-360			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	80		
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	$V_{BE}$	$V_{CE}=-5.0V$ $I_C=-7.0A$		-1.2	-1.5	V
Transition Frequency	$f_T$	$I_C=-1.0A$ $V_{CE}=-5.0V$		30		MHz
Collector output capacitance	$C_{ob}$	$V_{CB}=-10V$ $I_E=0$ $f=1.0MHz$		360		pF

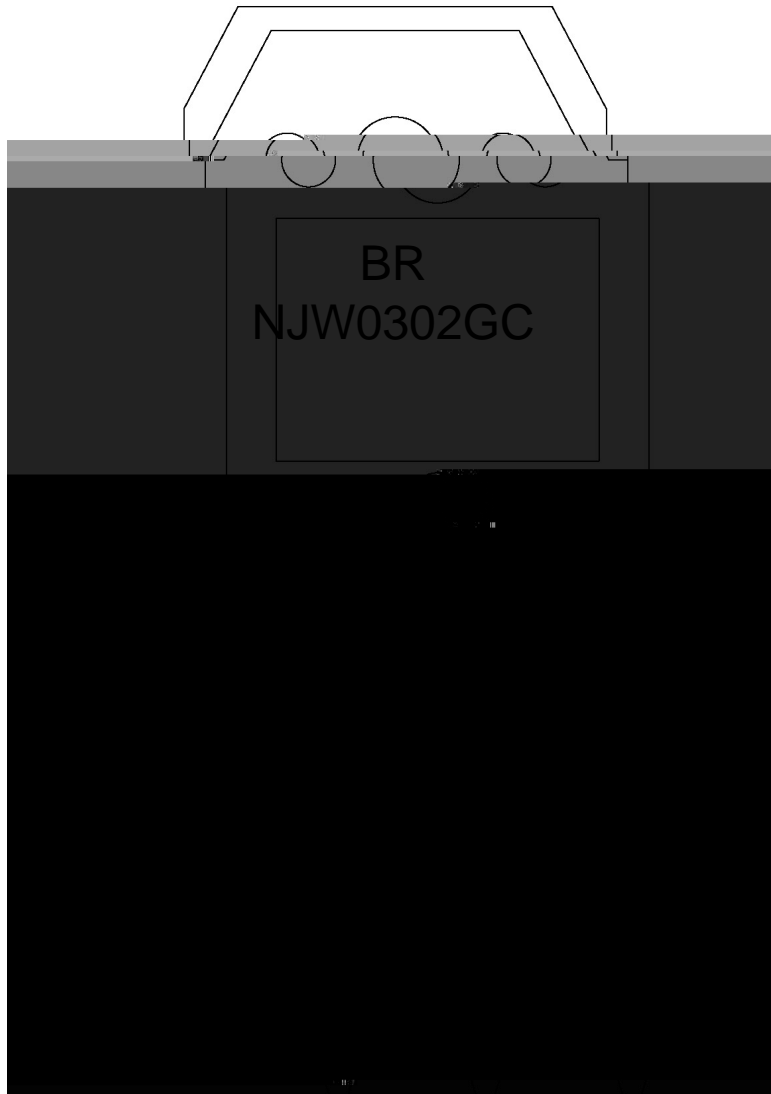
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

NJW0302GC

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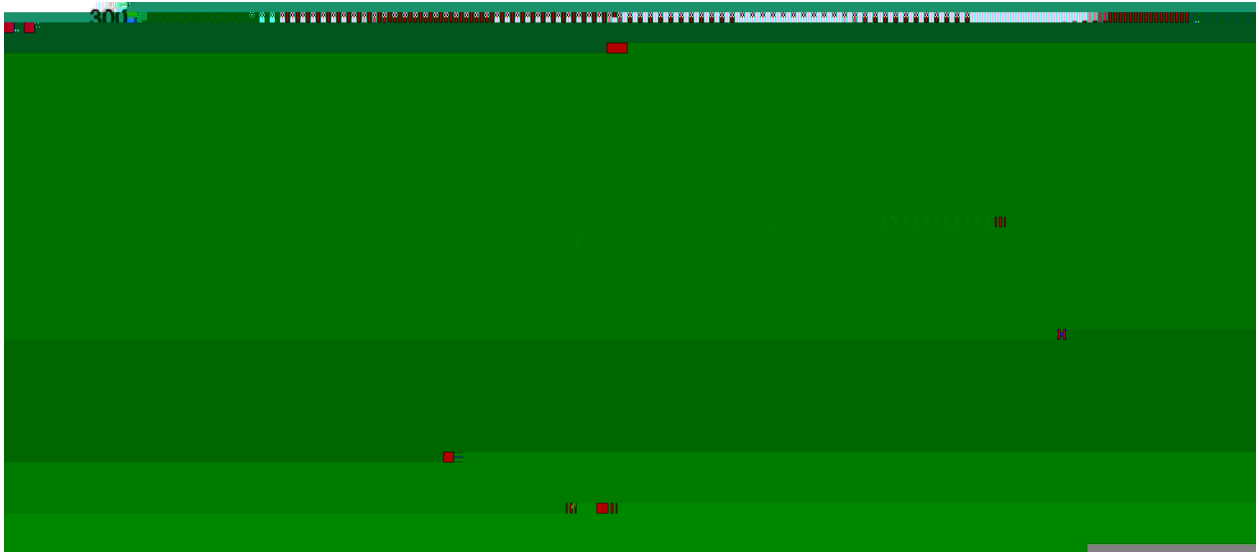
Note:

BR: Company Code.

NJW0302GC: 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.            |

/ Resistance to Soldering Heat Test Conditions

270±5                      10±1 sec.                      Temp.:270±5                      Time:10±1 sec

/ Packaging SPEC.

/ TUBE

Package Type	Units	Dimension	(unit mm <sup>3</sup> )
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