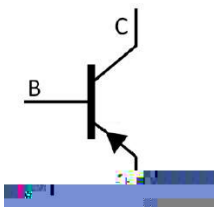


Silicon PNP transistor in a TO-92 Plastic Package.

Complementary pair with 2SC1213(A).

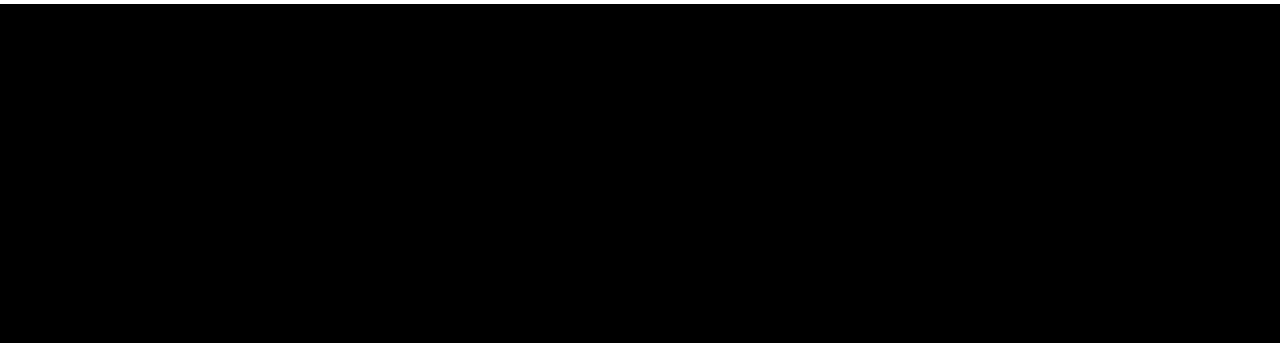
Low frequency power amplifier.



|      |      |       |           |       |         |
|------|------|-------|-----------|-------|---------|
| PIN1 | Base | PIN 2 | Collector | PIN 3 | Emitter |
|------|------|-------|-----------|-------|---------|

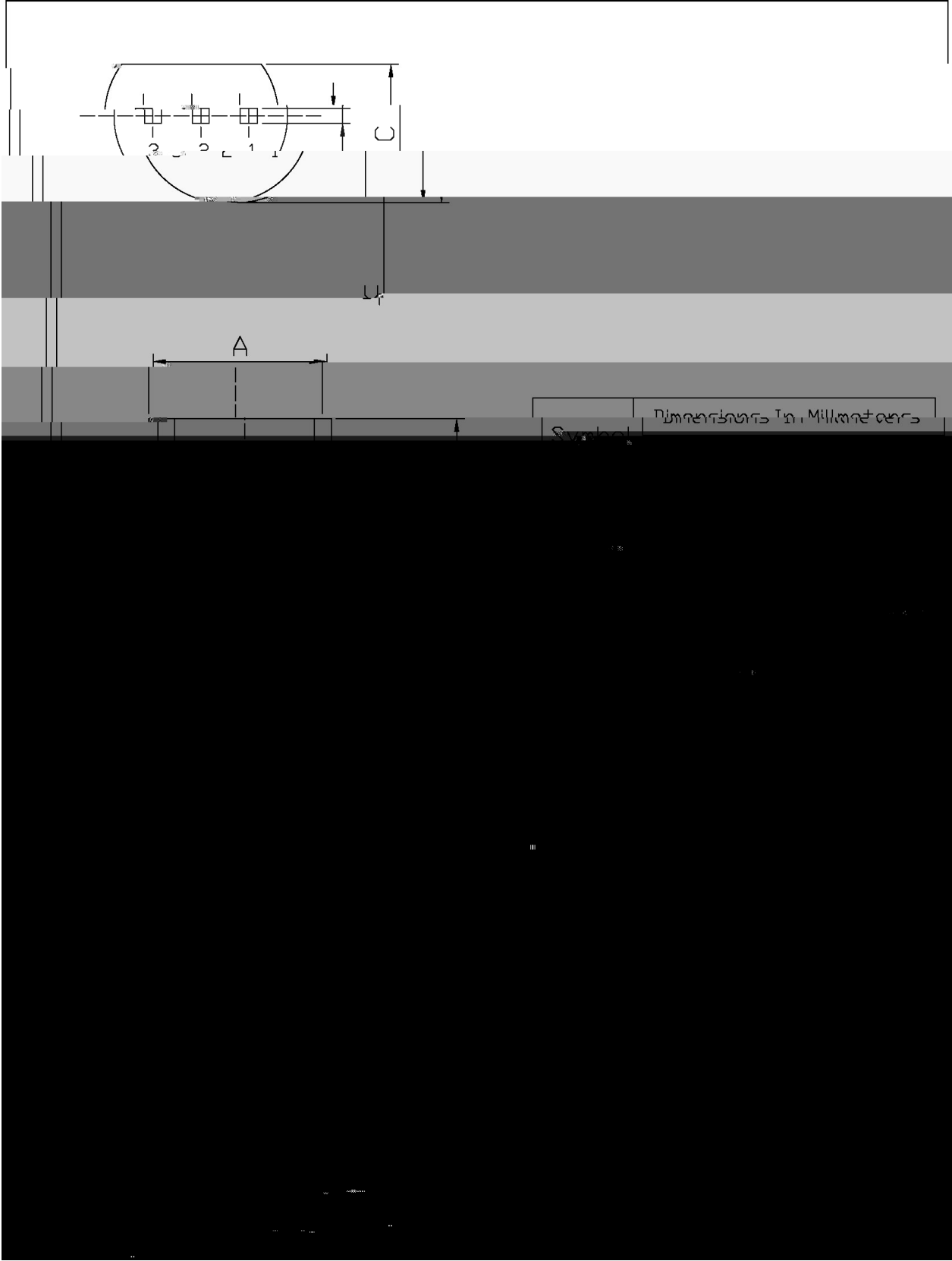
| Parameter                      | Symbol    |         | Rating  | Unit |
|--------------------------------|-----------|---------|---------|------|
| Collector to Base Voltage      | $V_{CBO}$ | 2SA673  | -35     | V    |
|                                |           | 2SA673A | -50     |      |
| Collector to Emitter Voltage   | $V_{CEO}$ | 2SA673  | -35     | V    |
|                                |           | 2SA673A | -50     |      |
| Emitter to Base Voltage        | $V_{EBO}$ |         | -4.0    | V    |
| Collector Current - Continuous | $I_C$     |         | -500    | mA   |
| Collector Power Dissipation    | $P_C$     |         | 400     | mW   |
| Junction Temperature           | $T_j$     |         | 150     |      |
| Storage Temperature Range      | $T_{stg}$ |         | -55 150 |      |

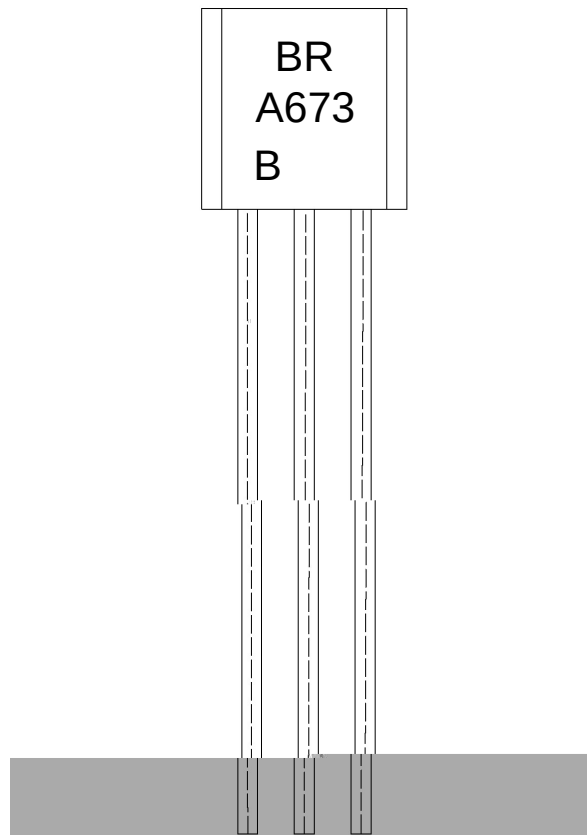
| Parameter                               | Symbol        |         | Test Conditions                               | Min  | Typ   | Max  | Unit |
|-----------------------------------------|---------------|---------|-----------------------------------------------|------|-------|------|------|
| Collector to Base Breakdown Voltage     | $V_{CBO}$     | 2SA673  | $I_C = -10\text{ A}$ $I_E = 0$                | -35  |       |      | V    |
|                                         |               | 2SA673A |                                               | -50  |       |      |      |
| Collector to Emitter Breakdown Voltage  | $V_{CEO}$     | 2SA673  | $I_C = -1.0\text{mA}$ $I_B = 0$               | -35  |       |      | V    |
|                                         |               | 2SA673A |                                               | -50  |       |      |      |
| Emitter to Base Breakdown Voltage       | $V_{EBO}$     |         | $I_E = -10\text{ A}$ $I_C = 0$                | -4.0 |       |      | V    |
| Collector Cut-Off Current               | $I_{CBO}$     |         | $V_{CB} = -20\text{V}$ $I_E = 0$              |      |       | -0.5 | A    |
| DC Current Gain                         | $h_{FE(1)}$   |         | $V_{CE} = -3.0\text{V}$ $I_C = -10\text{mA}$  | 60   |       | 320  |      |
|                                         | $h_{FE(2)}$   |         | $V_{CE} = -3.0\text{V}$ $I_C = -500\text{mA}$ | 10   |       |      |      |
| Collector to Emitter Saturation Voltage | $V_{CE(sat)}$ |         | $I_C = -150\text{mA}$ $I_B = -15\text{mA}$    |      | -0.2  | -0.6 | V    |
| Base to Emitter Voltage                 | $V_{BE}$      |         | $V_{CE} = -3.0\text{V}$ $I_C = -10\text{mA}$  |      | -0.64 |      | V    |



TO-92

Unit: mm





$h_{FE}$

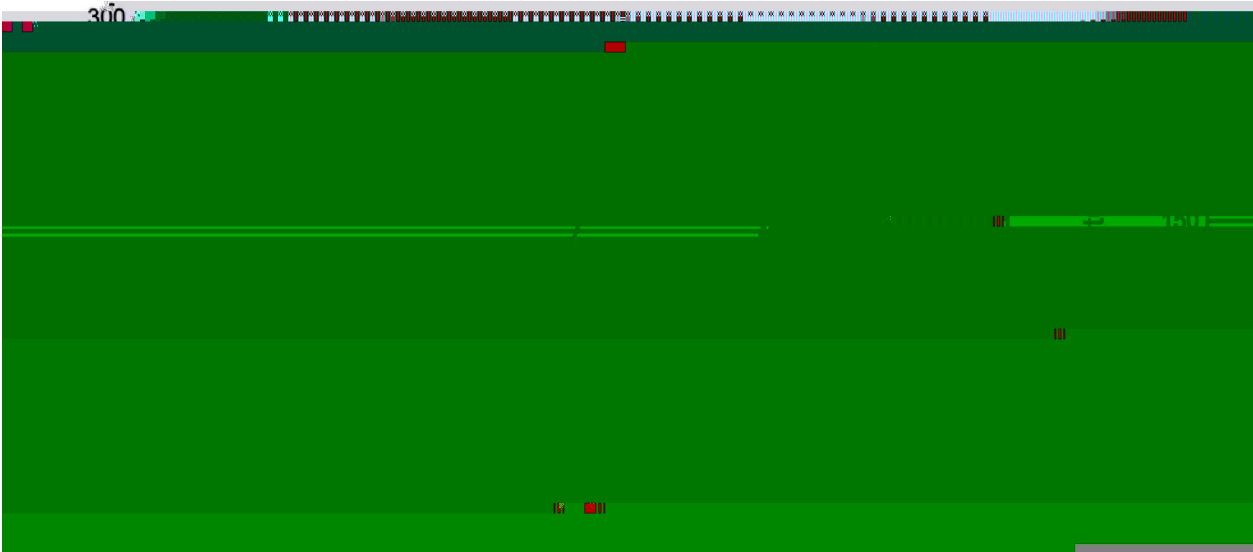
Note:

BR: Company Code.

A673: Product Type.

B:  $h_{FE}$  Classifications Symbol

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



- 1

25 150

60 90sec;

2

255 5

5 0.5sec;

3

2 10

/sec.
- Note:

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255 5 , Duration:5 0.5sec.

3. Cooling Speed: 2~10 /sec.

270 5

10 1 sec.

Temp:270±5

Time:10±1 sec

/ BULK

| Package Type<br>封装形式 | Units 包装数量 |     |     |     |     | Dimension 包装尺寸 (unit: mm3) |   |   |
|----------------------|------------|-----|-----|-----|-----|----------------------------|---|---|
|                      | 只 袋        | 袋 盒 | 只 盒 | 盒 箱 | 只 箱 | 袋                          | 盒 | 箱 |