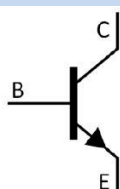


Silicon NPN transistor in a TO-92LM Plastic Package.

Low  $V_{CE(sat)}$ , complementary pair with 2SB1243.

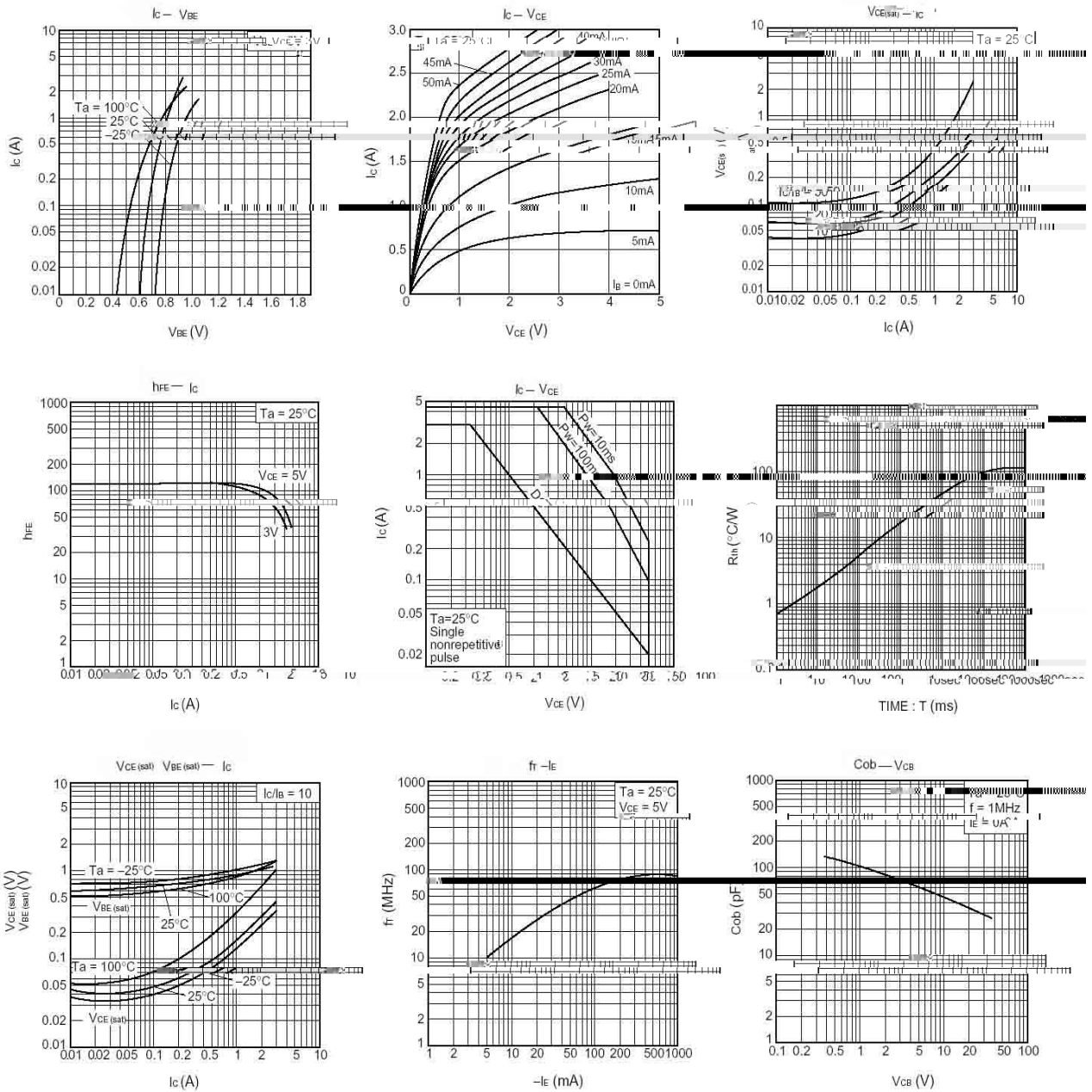
General power amplifier applications.



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

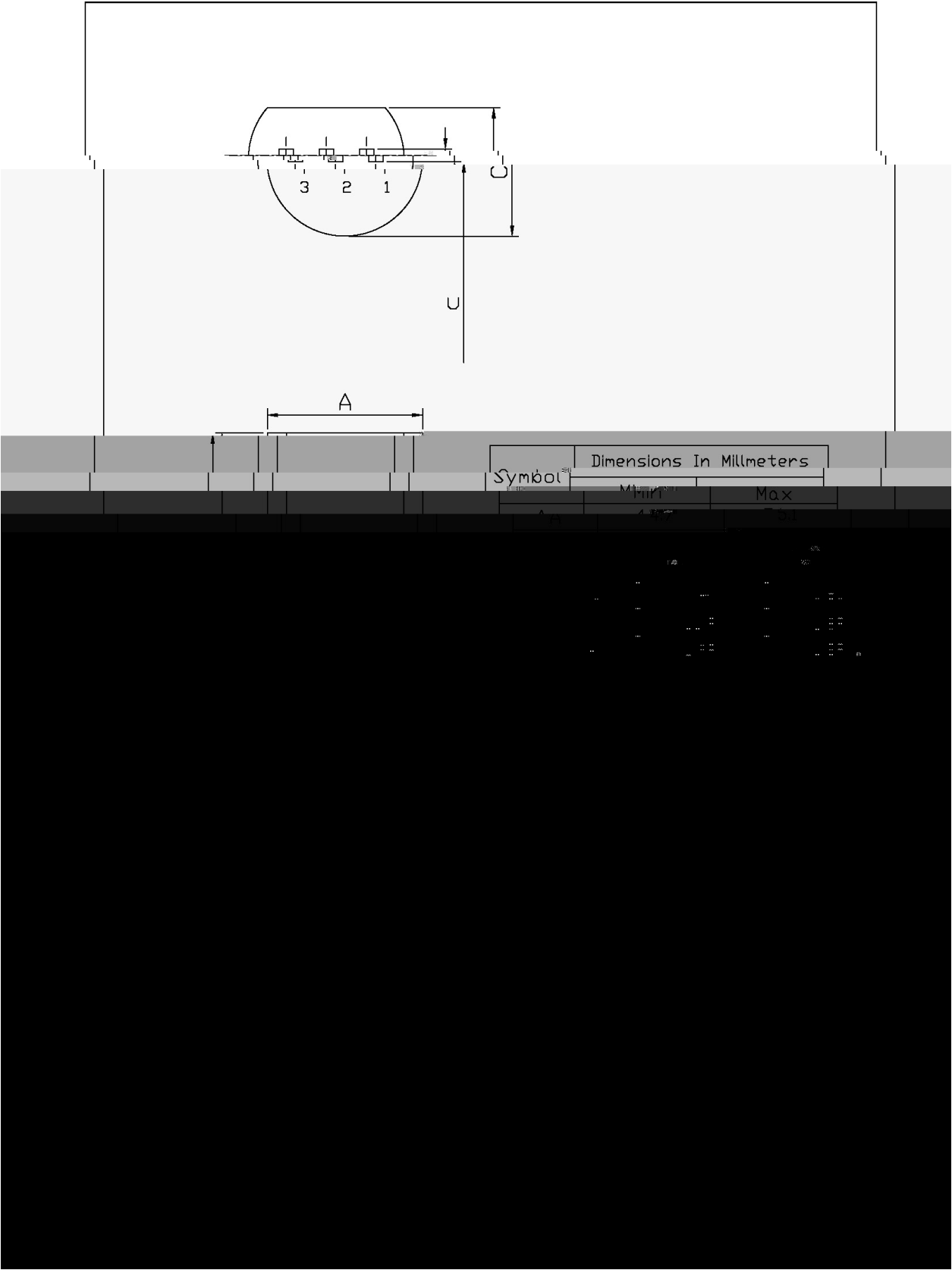
| $h_{FE}$ Classifications<br>Symbol | P      | Q       | R       |
|------------------------------------|--------|---------|---------|
| $h_{FE}$ Range                     | 82 180 | 120 270 | 180 390 |

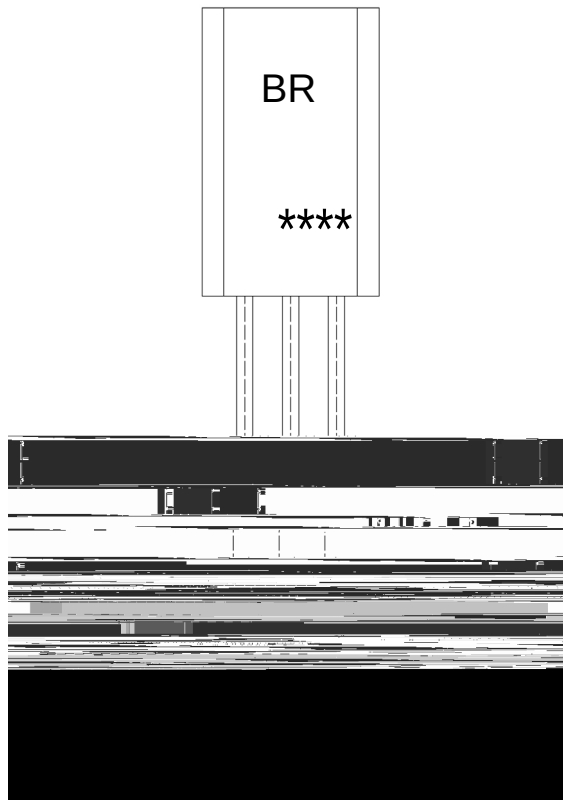
| Parameter                    | Symbol    | Rating | Unit |
|------------------------------|-----------|--------|------|
| Collector to Base Voltage    | $V_{CBO}$ | 60     | V    |
| Collector to Emitter Voltage | $V_{CEO}$ | 50     | V    |
| Emitter to Base Voltage      | $V_{EBO}$ | 5.0    | V    |
| Collector Current (DC)       | $I_C$     | 3.0    | A    |
| Collector Current (Pulse)    | $I_{CP}$  | 4.5    | A    |
| Collector Power Dissipation  | $P_C$     | 1.0    | W    |
| Junction Temperature         | $T_J$     | 150    |      |
| Storage Temperature Range    | $T_{stg}$ | -55    |      |



T0-92LM

Unit: mm





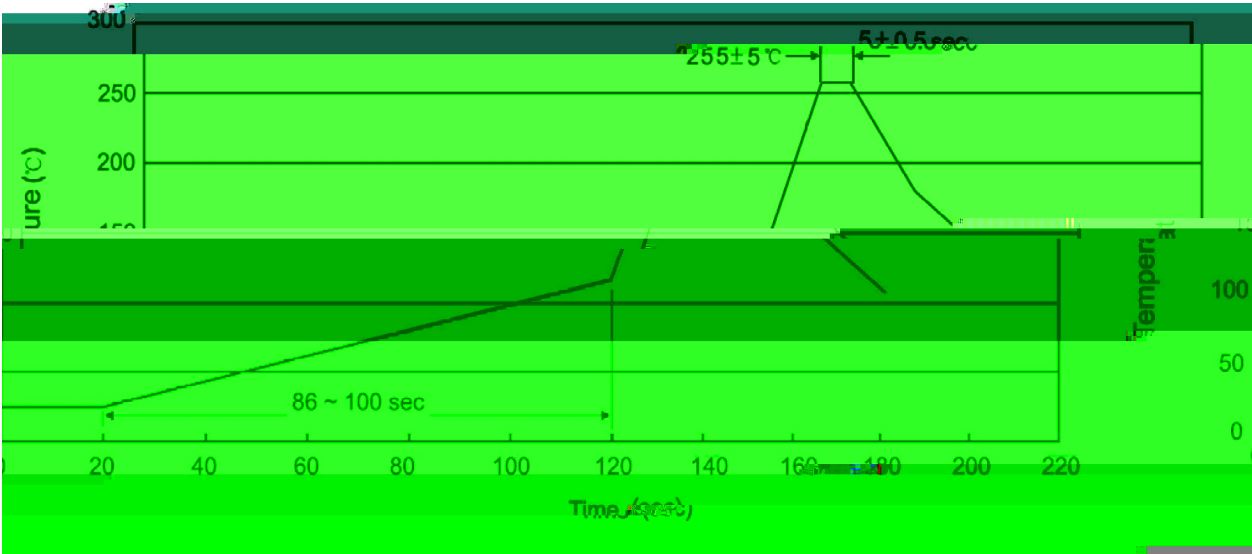
Note:

BR: Company Code.

D1864: Product Type.

P:  $h_{FE}$  Classifications Symbol

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



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.            |

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