# 2SB647(A)

Rev.E Mar.-2016

WR0<50P ṂṂȽ SQS ӕṀɥ s ǁ ˥ Silicon PNP transistor in a TO-92LM Plastic Package.

љ 5VG99 : ⁺D, Й̦ ´
Complementary pair with 2SD667(A).

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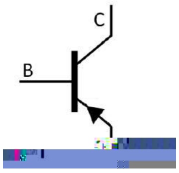
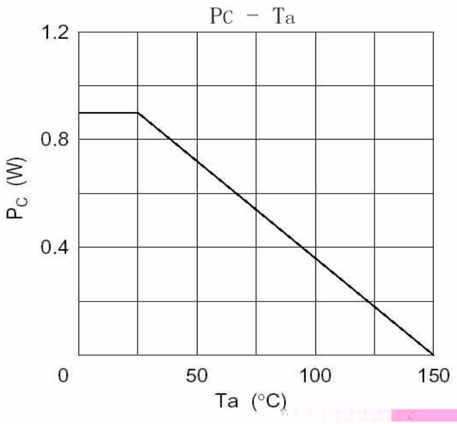
Low frequency power amplifier.

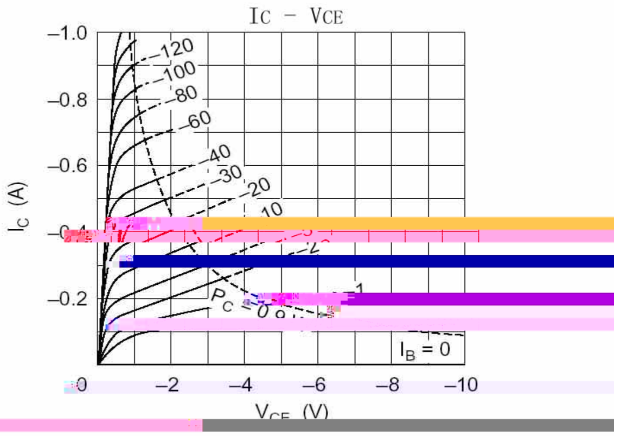


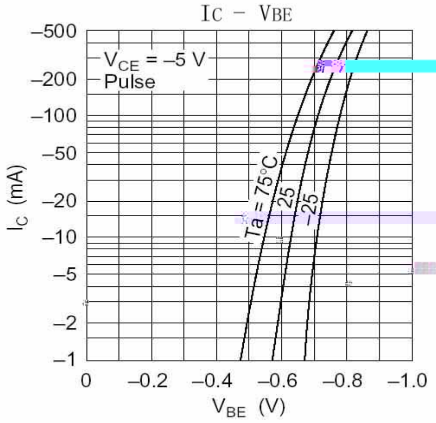
PIN1 χ Base    PIN 2 χ Collector    PIN 3 χ Emitter

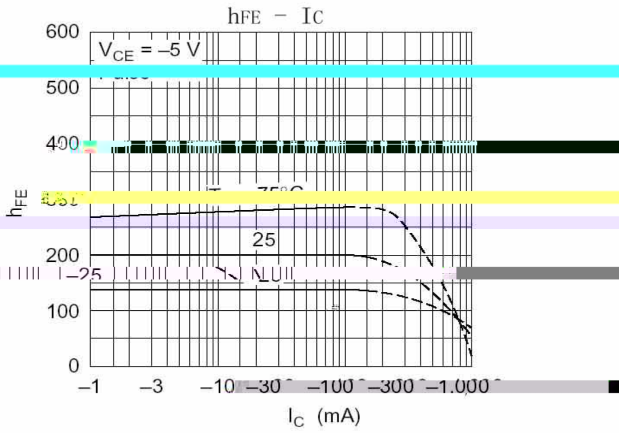
| v ˝Ω̣<br>Parameter | ꞁ ᴺ<br>Symbol | | ˝Ω̣Ӫ<br>Rating | D Ꞡ<br>Unit |
|---|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | | -120 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | 2SB647 | -80 | V |
| | | 2SB647A | -100 | |
| Emitter to Base Voltage | $V_{EBO}$ | | -5.0 | V |
| Collector Current (DC) | $I_C$ | | -1.0 | A |
| Collector Current(Pulse) | $I_{CP}$ | | -2.0 | A |
| Collector Power Dissipation | $P_C$ | | 900 | mW |
| Junction Temperature | $T_j$ | | 150 | |
| Storage Temperature Range | T | | | |

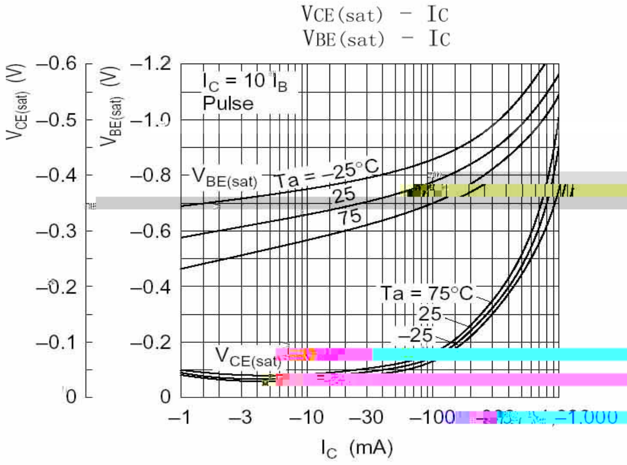
## / Electrical Characteristic Curve

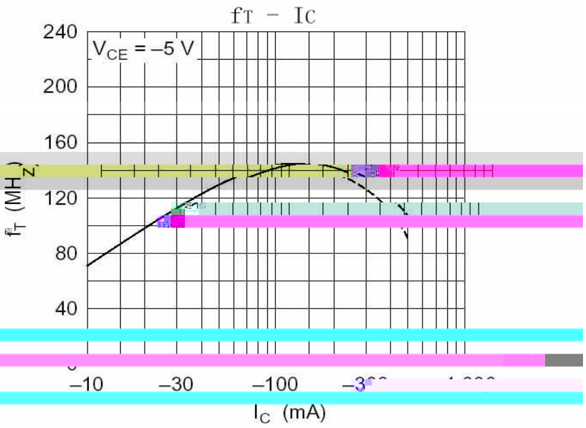




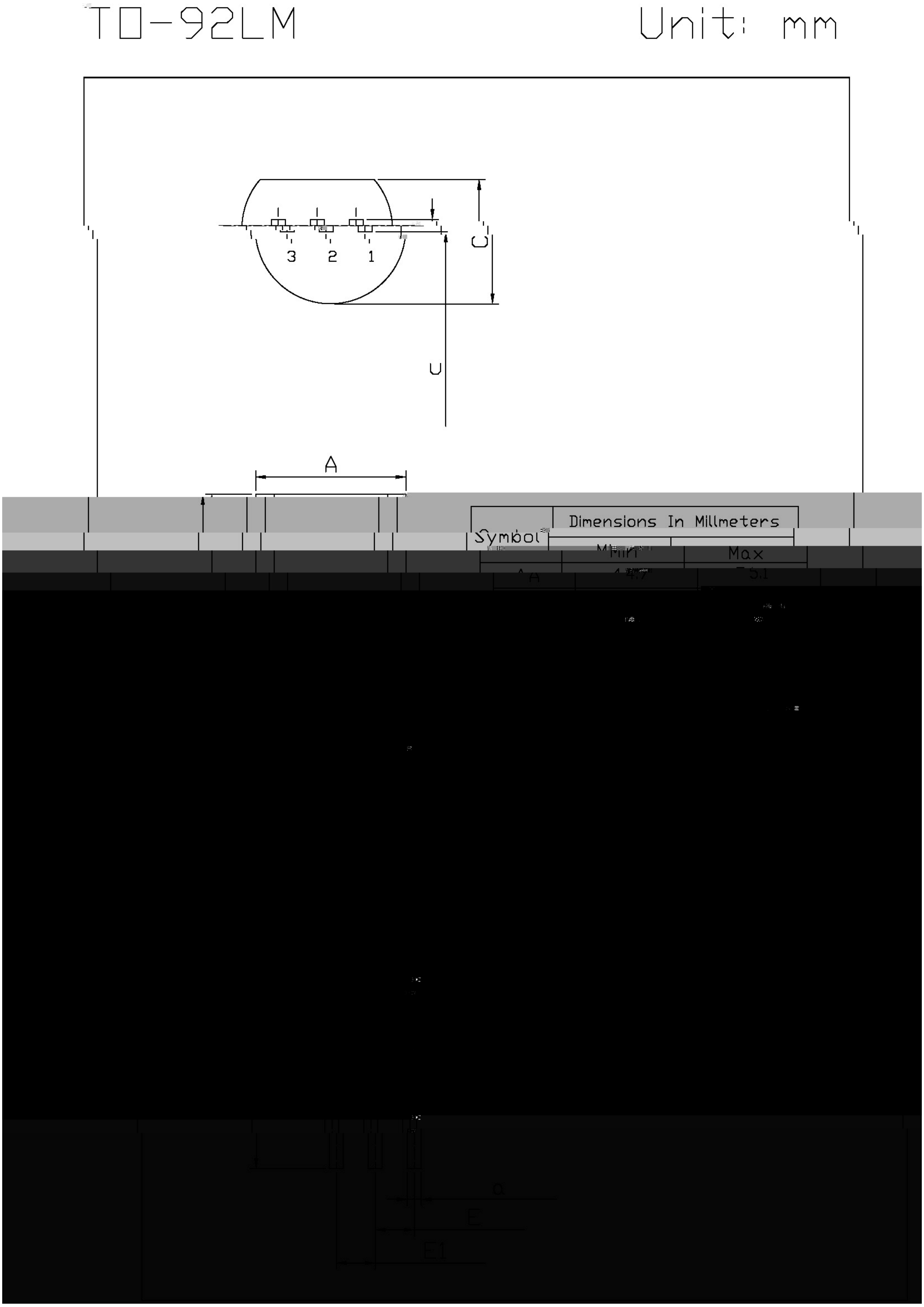






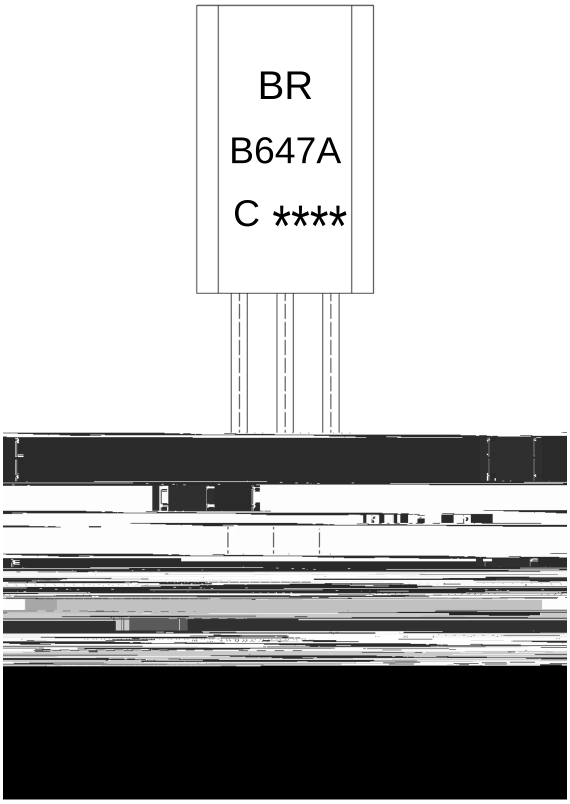


## / Package Dimensions



| Symbol | Dimensions In Millmeters | |
|---|---|---|
| | Min | Max |
| A | 4.7 | 5.1 |

## / Marking Instructions



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E97 : D χ ㅒ ʒ ᴺ ᏑᏏ

F: ㅒ kᵢₕ ‘ ⁶ ᏑᏏ

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Note:

| | |
|---|---|
| BR: | Company Code. |
| B647A: | Product Type. |
| C: | $h_{FE}$ Classifications Symbol |
| ****: | Lot No. Code,code change with Lot No. |

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

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1 ĺ ♬ □ ŷ 25 Ḱ 150 ł ı `H ژ 60 Ḱ 90sec;

Note:

1.Preheating:25~150 ł , Time:60~6Tc2 18 re7.Tf1.6f150est