

/ Descriptions

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

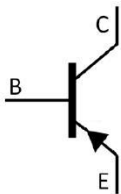
/ Features

For 45-50W audio frequency amplifier output stage, Complementary to 2SD718.

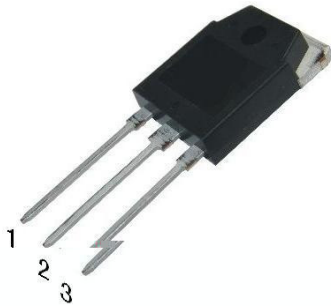
/ Applications

Designed for use in audio frequency amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

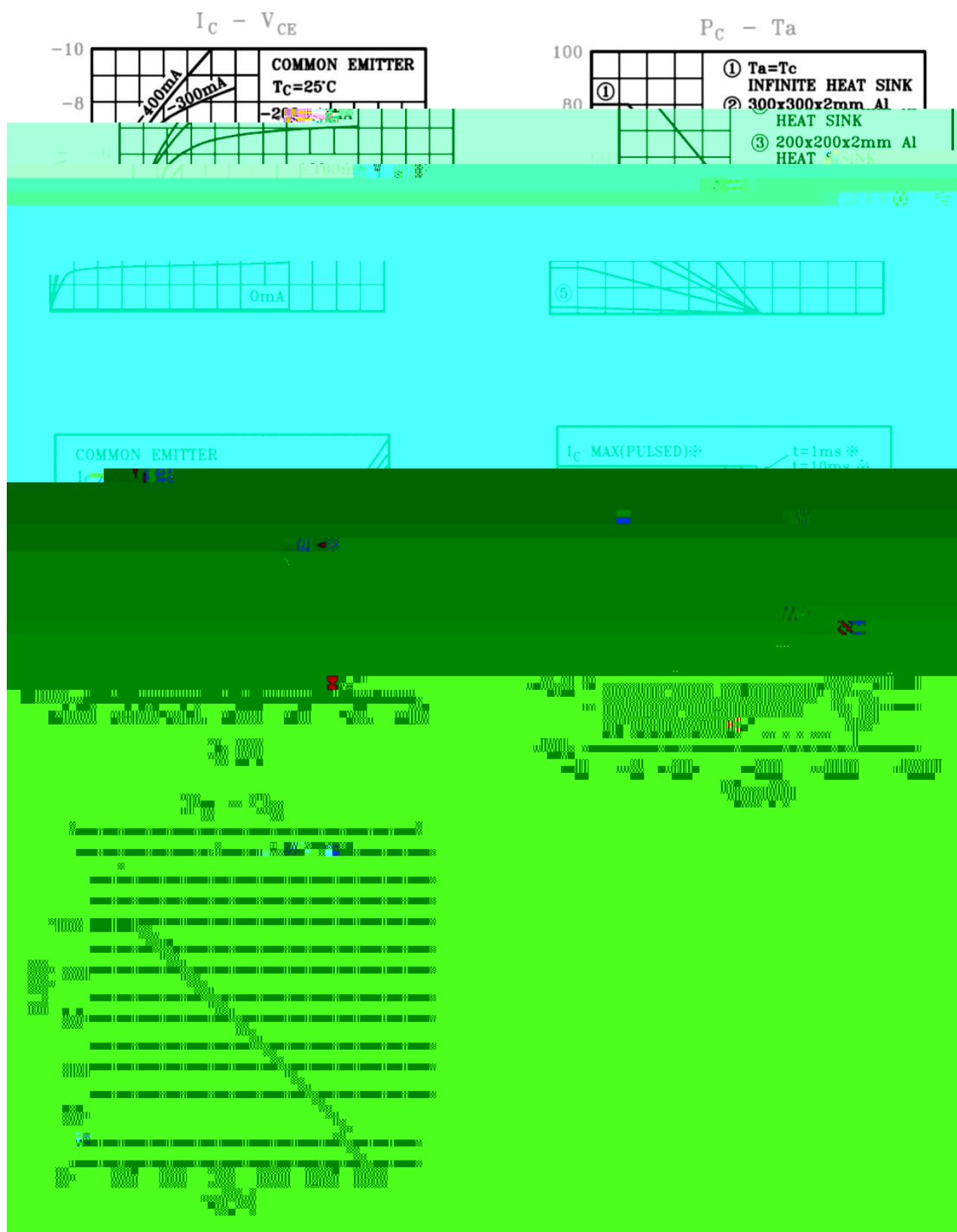
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	R	O
h_{FE} Range	55~110	80~160

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-120	V
Collector to Emitter Voltage	V_{CEO}	-120	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current - Continuous	I_C	-10	A
Base Current	I_B	-1	A
Collector Power Dissipation	$P_C(T_C=25^{\circ}\text{C})$	80	W
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-55~150	$^{\circ}\text{C}$

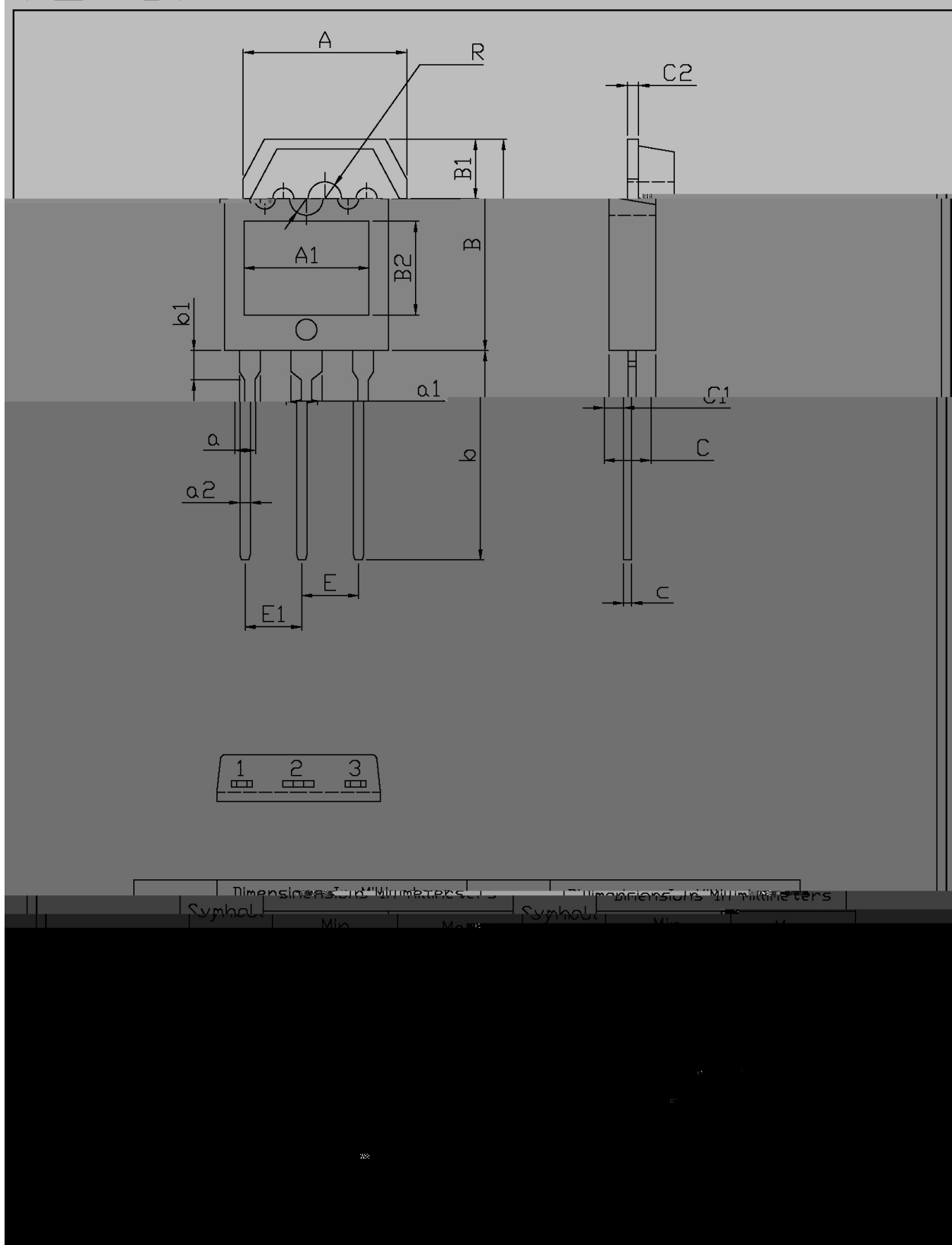
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-50\text{mA}$ $I_B=0$	-120			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-120\text{V}$ $I_E=0$			-10	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-5.0\text{V}$ $I_C=0$			-10	μA
DC Current Gain	h_{FE}	$V_{CE}=-5.0\text{V}$ $I_C=-1.0\text{A}$	55		160	
Collector to Emitter Saturation Voltage	$V_{CE(\text{sat})}$	$I_C=-5.0\text{A}$ $I_B=-0.5\text{A}$			-2.5	V
Base to Emitter Voltage	V_{BE}	$V_{CE}=-5.0\text{V}$ $I_C=-5.0\text{A}$			-1.5	V

/ Electrical Characteristic Curve

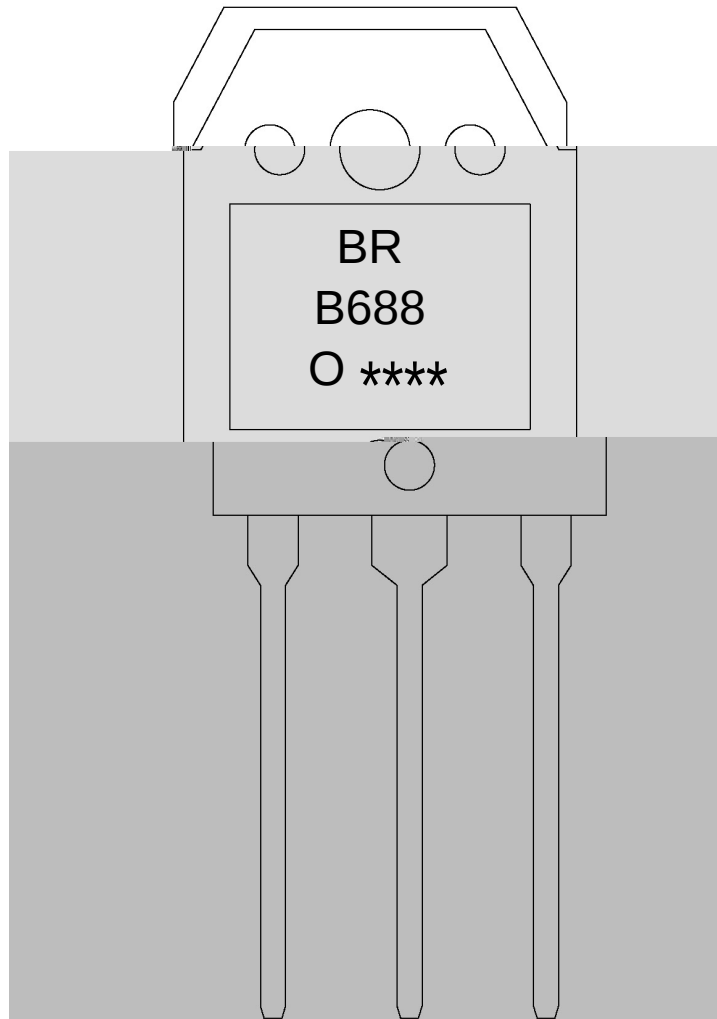


TU-3P

單位：



/ Marking Instructions



h_{FE}

Note:

BR: Company Code.

B688: Product Type.

O: h_{FE} Classifications Symbol.

****: 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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-3P	30	15	450	5	2250	497.5×46×8	555×164×50	575 290 180.3667 0 T04 JTT15 5