

/ Descriptions

TO-220F PNP Silicon PNP transistor in a TO-220F Plastic Package.

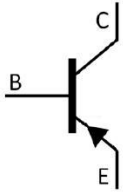
/ Features

， 3DA4793
High transition frequency, complementary to 3DA4793.

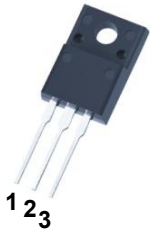
/ Applications

Power amplifier, driver stage amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

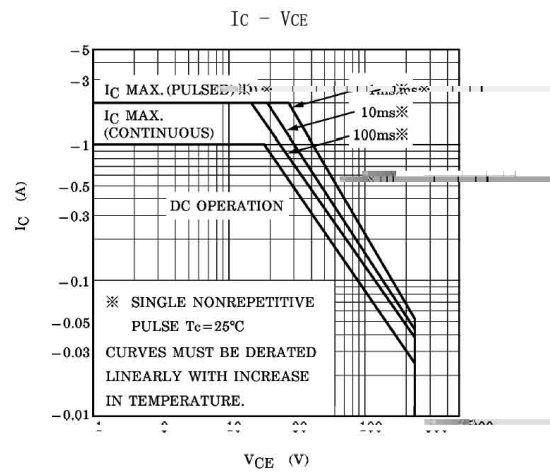
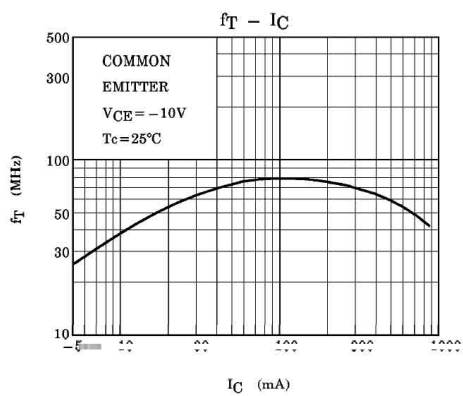
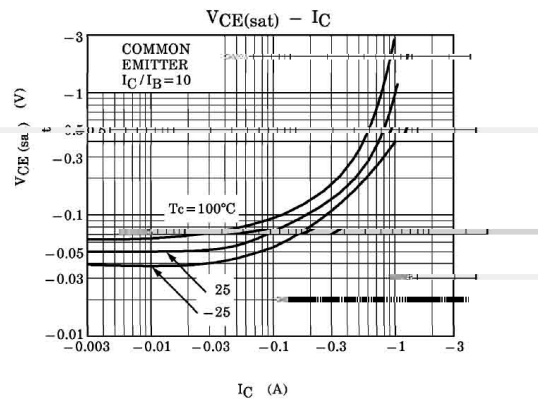
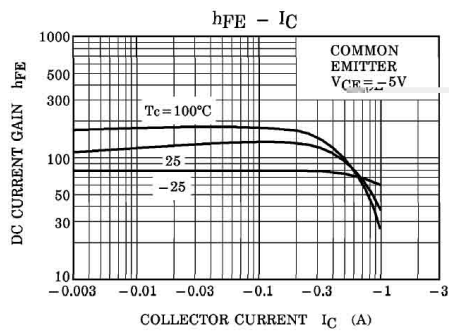
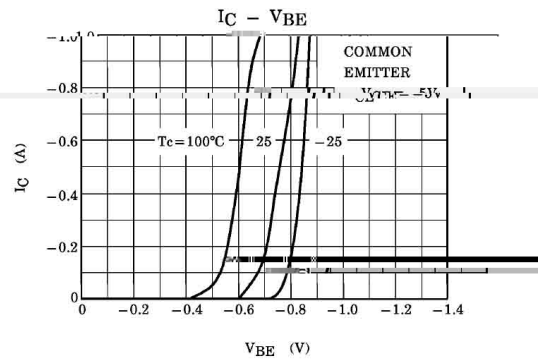
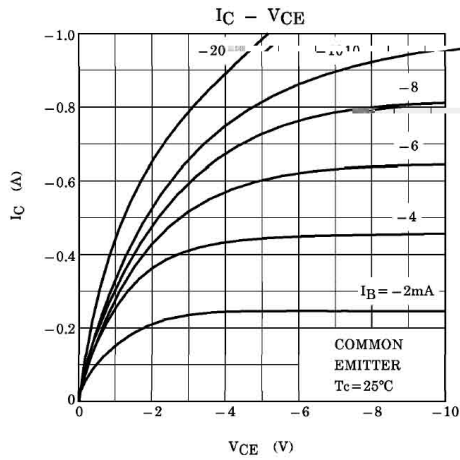
/ h_{FE} Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-230	V
Collector to Emitter Voltage	V_{CEO}	-230	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-1.0	A
Base Current	I_B	-0.1	A
Collector Power Dissipation	P_C	2.0	W
	$P_{C(T_c=25^\circ C)}$	20	W
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}	$I_C=-10mA$ $I_B=0$	-230			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-230V$ $I_E=0$			-1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-5.0V$ $I_C=0$			-1.0	μA

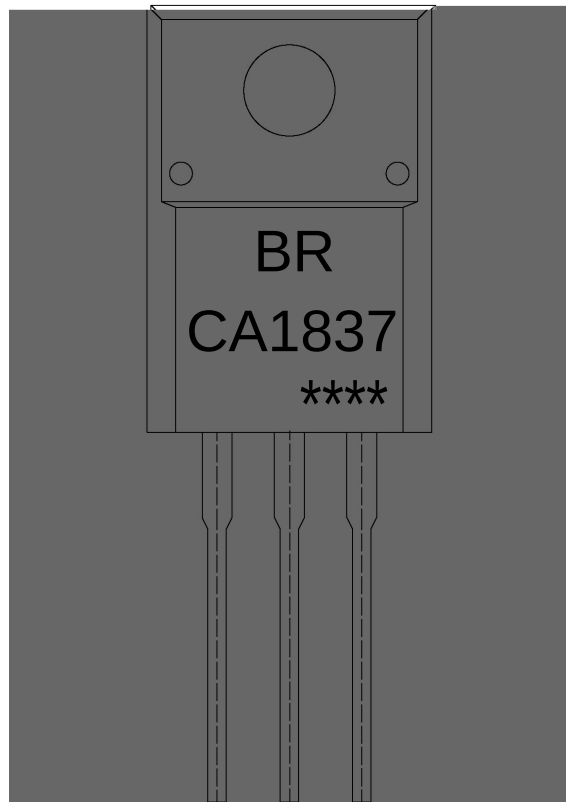
/ **Electrical Characteristic Curve**



T0-220F 单位: mm



/ **Marking Instructions**



BR

CA1837

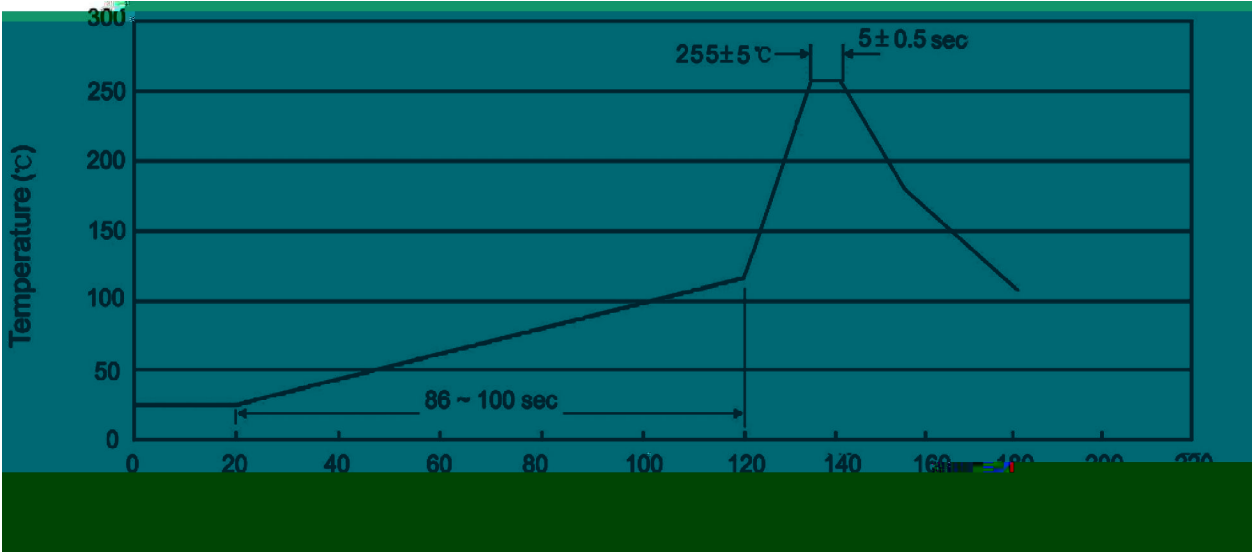
Note:

BR: Company Code.

CA1837: Product Type.

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

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



- Note:

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

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

3. Cooling Speed: 2~10 /sec.
- | | | | | |
|---|-------|-----|-----------|--------|
| 1 | 25 | 150 | 60 | 90sec; |
| 2 | 255±5 | | 5±0.5sec; | |
| 3 | | 2 | 10 | /sec. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ BULK

Package Type	Units/Bag	Bags/Inner Box	Units 包装数量	Dimension 包装尺寸 (unit: mm ³)
封装形式	只/袋	袋/盒	Units/Inner Box 只/盒	