

**/ Descriptions**

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

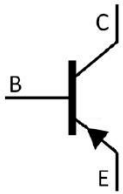
**/ Features**

High transition frequency, complementary to 3DA4793.

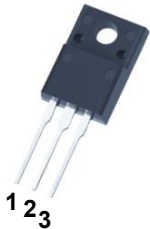
**/ Applications**

Power amplifier, driver stage amplifier applications.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

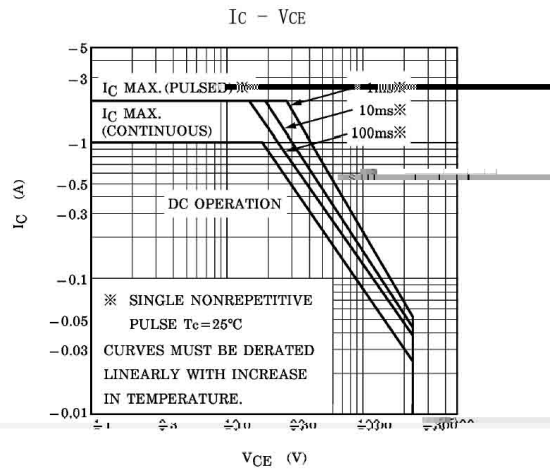
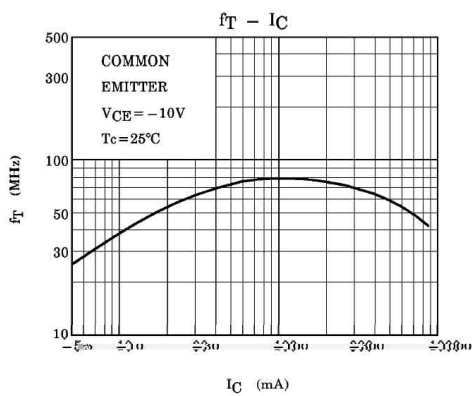
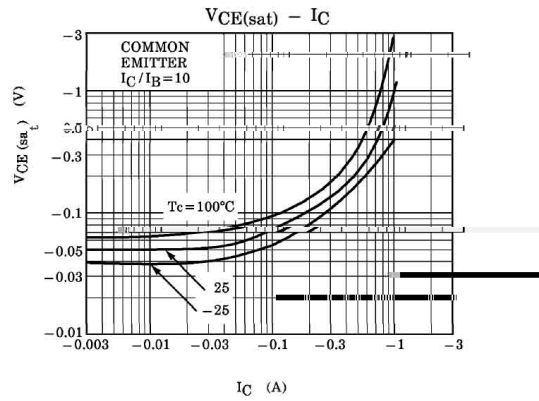
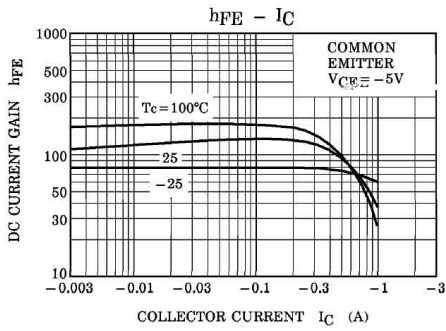
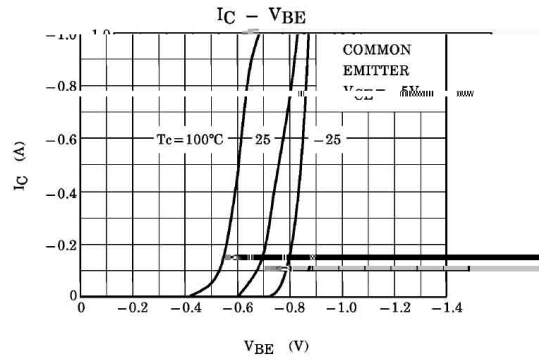
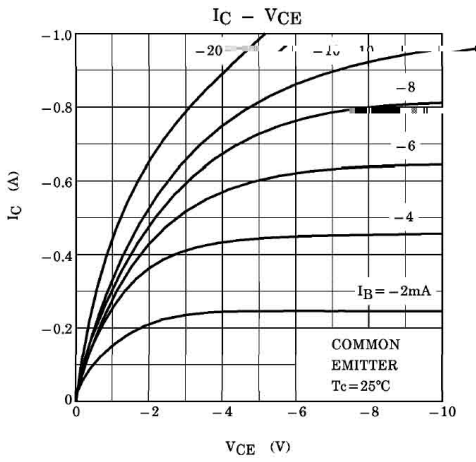
**/  $h_{FE}$  Classifications & Marking**

See Marking Instructions.

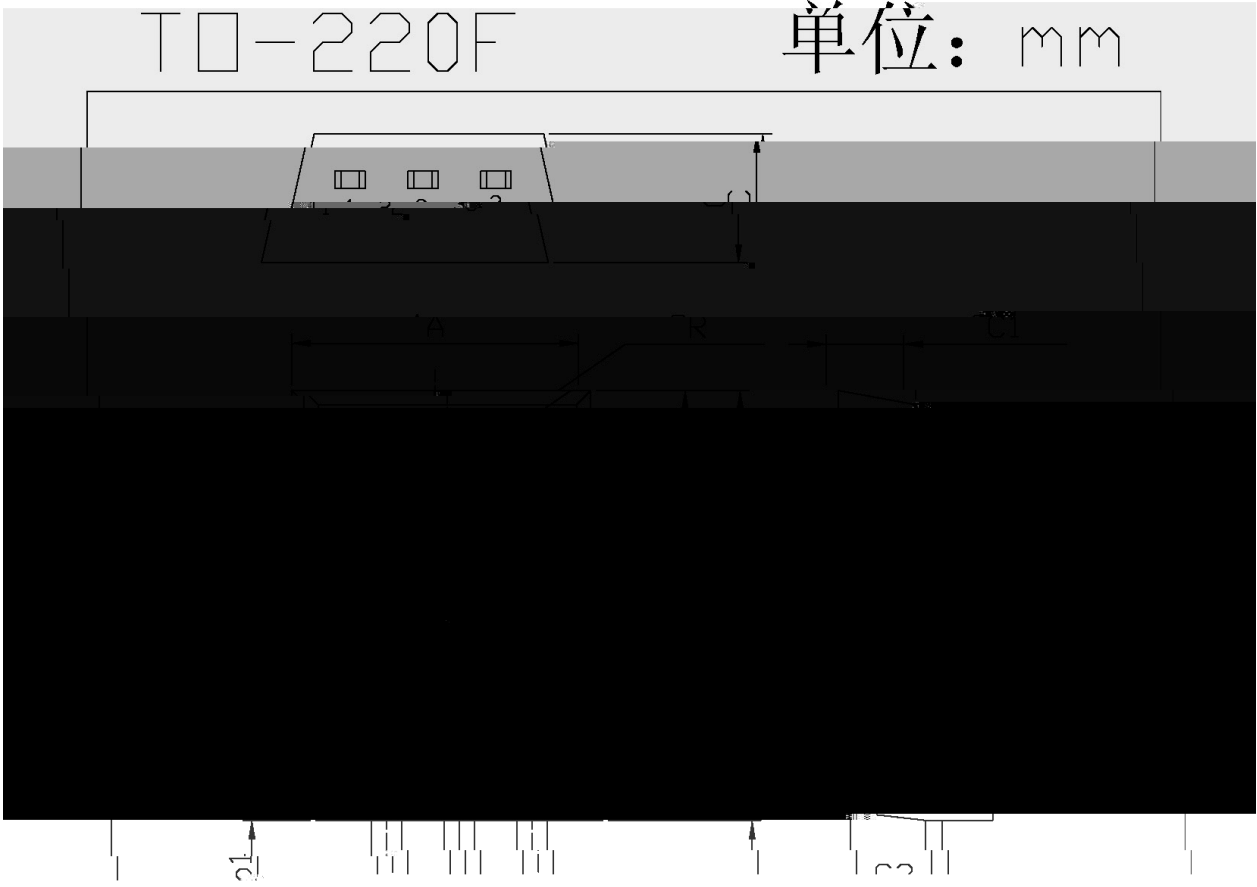
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-230	V
Collector to Emitter Voltage	$V_{CEO}$	-230	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current - Continuous	$I_C$	-1.0	A
Base Current	$I_B$	-0.1	A
Collector Power Dissipation	$P_C$	2.0	W
	$P_{C(T_C=25)}$	20	W
Junction Temperature	$T_j$	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	$\mu A$
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=-5.0V$ $I_C=0$			-1.0	$\mu A$

/ Electrical Characteristic Curve

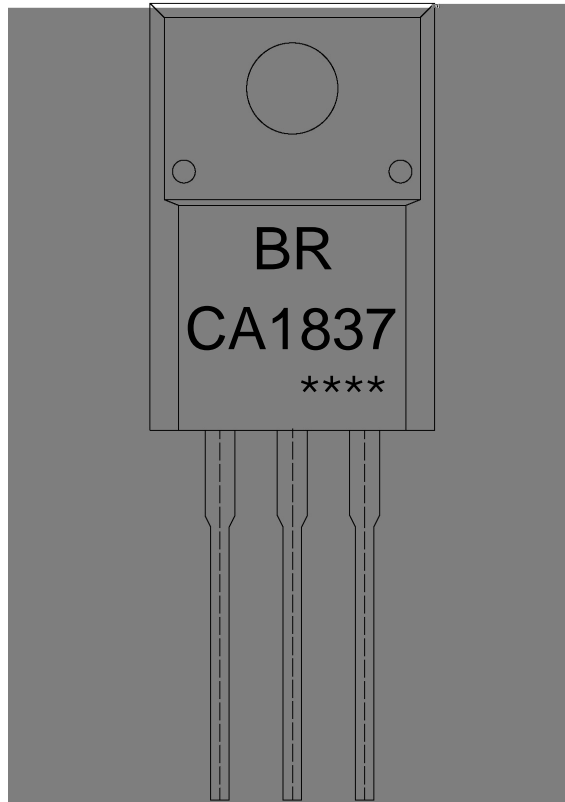


/ Package Dimensions



Dimensions in Millimeters		Dimensions in Millimeters			
Symbol	Min	Max	Symbol	Min	Max
C	4.3	4.7	b1	2.9	3.9
A	9.7	10.3	a	0.55	0.75
B	14.7	15.3	E	2.29	2.79
B1	3.8	4.0	E1	2.29	2.79
R2	2.9	3.1	C1	2.5	2.9
R	3.0	3.4	C2	2.5	2.7
b	12.5	13.5	c	0.5	0.7

**/ Marking Instructions**



BR

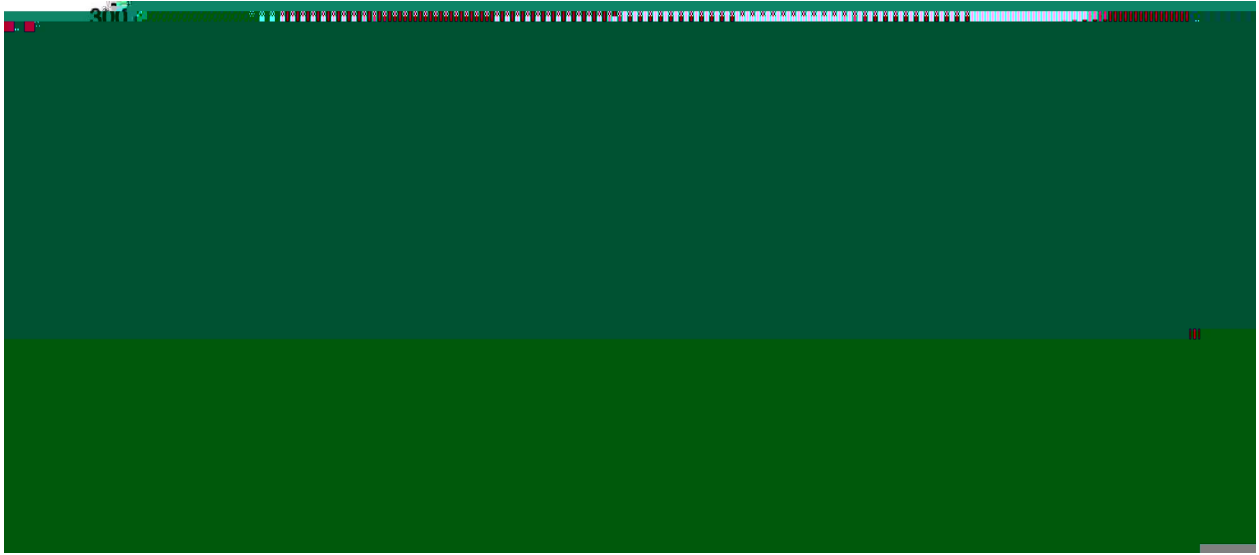
Note:

BR: Company Code.

CA1837: Product Type.

\*\*\*\*: 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.

/ BULK

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