

/ Descriptions

Silicon PNP transistor in a TO-92 Plastic Package.

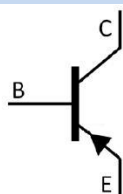
/ Features

Complementary pair with 2SC1213(A).

/ Applications

Low frequency power amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ hFE Classifications & Marking

h _{FE} Classifications Symbol	B	C	D
h _{FE} Range	60~120	100~200	160~320

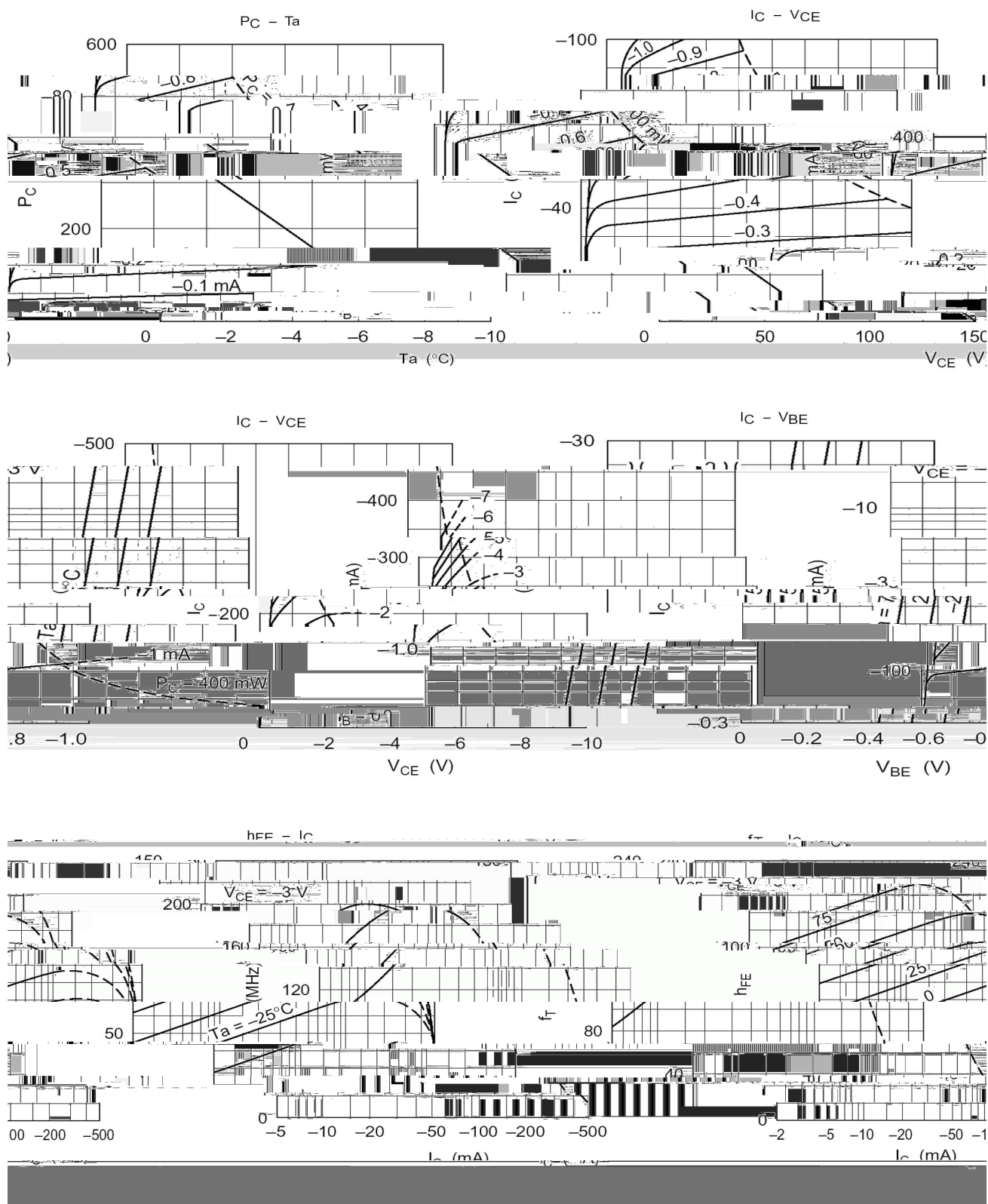
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	2SA673 -35	V
		2SA673A -50	
Collector to Emitter Voltage	V_{CEO}	2SA673 -35	V
		2SA673A -50	
Emitter to Base Voltage	V_{EBO}	-4.0	V
Collector Current - Continuous	I_C	-500	mA
Collector Power Dissipation	P_C	400	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -10\mu A$ $I_E = 0$	2SA673 -35			V
			2SA673A -50			
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -1.0mA$ $I_B = 0$	2SA673 -35			V
			2SA673A -50			
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -10\mu A$ $I_C = 0$	-4.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -20V$ $I_E = 0$			-0.5	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE} = -3.0V$ $I_C = -10mA$	60		320	
	$h_{FE(2)}$	$V_{CE} = -3.0V$ $I_C = -500mA$	10			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -150mA$ $I_B = -15mA$		-0.2	-0.6	V
Base to Emitter Voltage	V_{BE}	$V_{CE} = -3.0V$ $I_C = -10mA$		-0.64		V

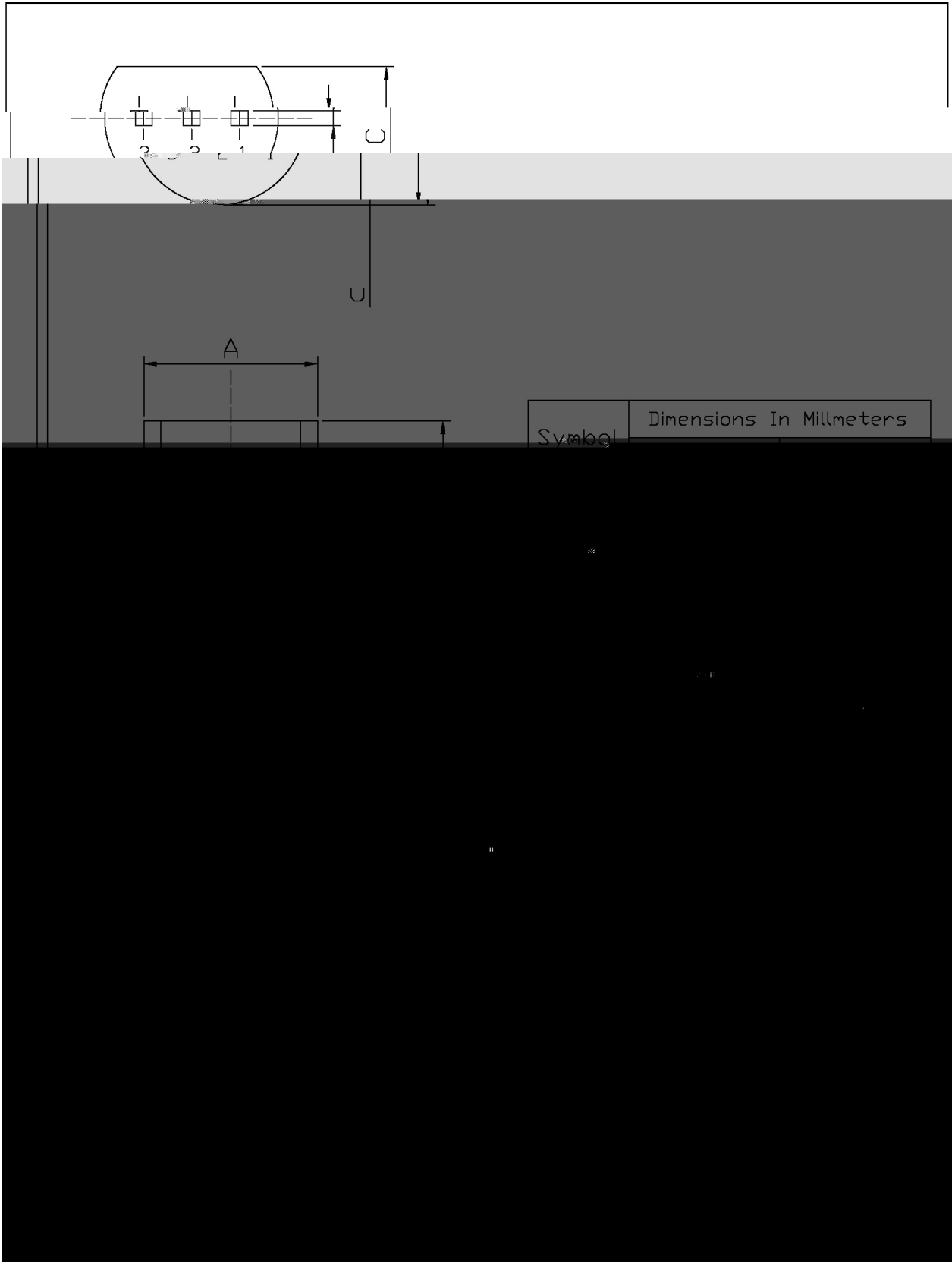
/ Electrical Characteristic Curve



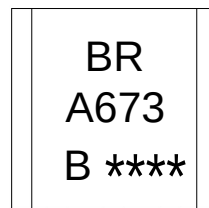
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



h_{FE}

Note:

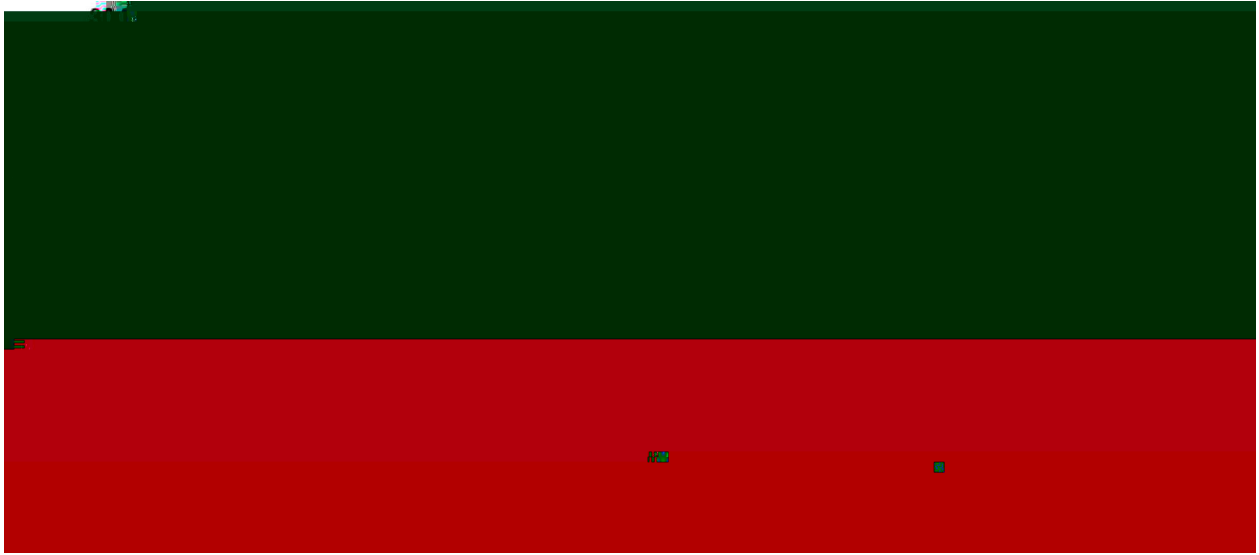
BR: Company Code.

A673: Product Type.

B: 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.

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱