

2SC2230(A)

Rev.E Mar.-2016

/ Descriptions

KF \$) CD E GE Silicon NPN transistor in a TO-92LM Plastic Package.

/ Features

M <F #

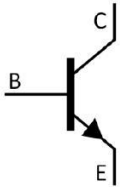
High voltage, high DC current gain.

/ Applications

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High voltage general amplifier, color TV class B sound output applications

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

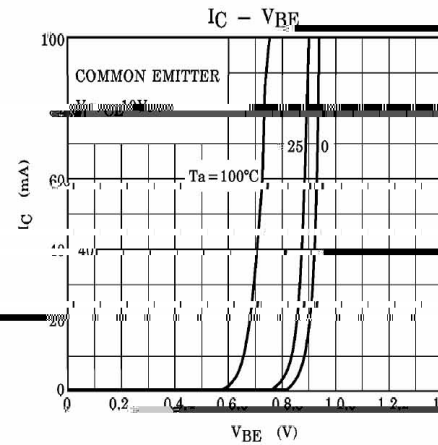
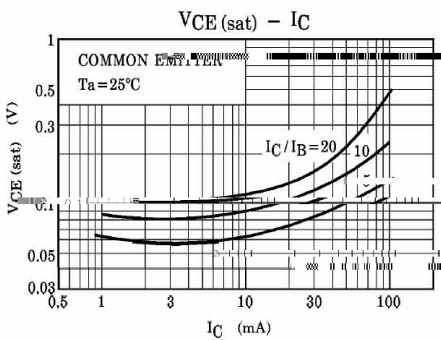
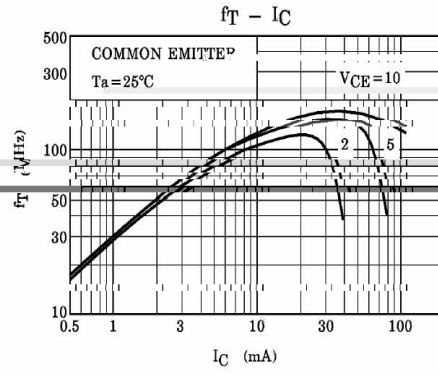
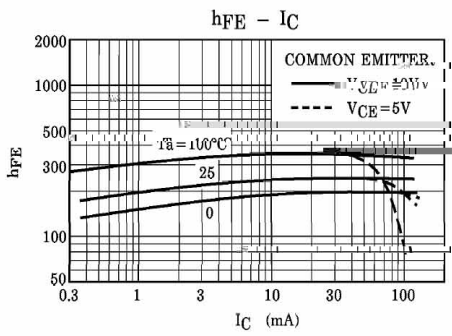
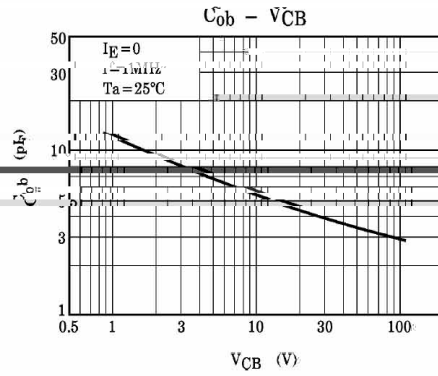
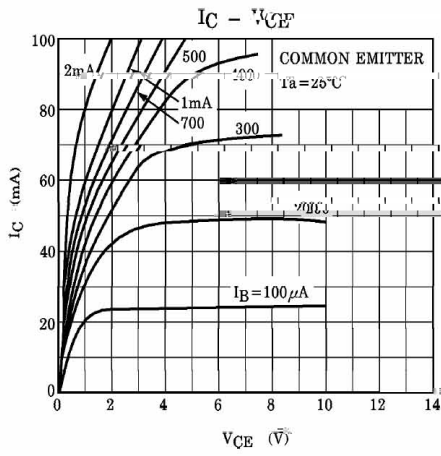
h _{FE} Classifications Symbol	Y	GR
h _{FE} Range	120 240	200 400

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Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	200	V
Collector to Emitter Voltage	V_{CEO}	2SC2230	160
		2SC2230A	180
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current (DC)	I_C	100	mA

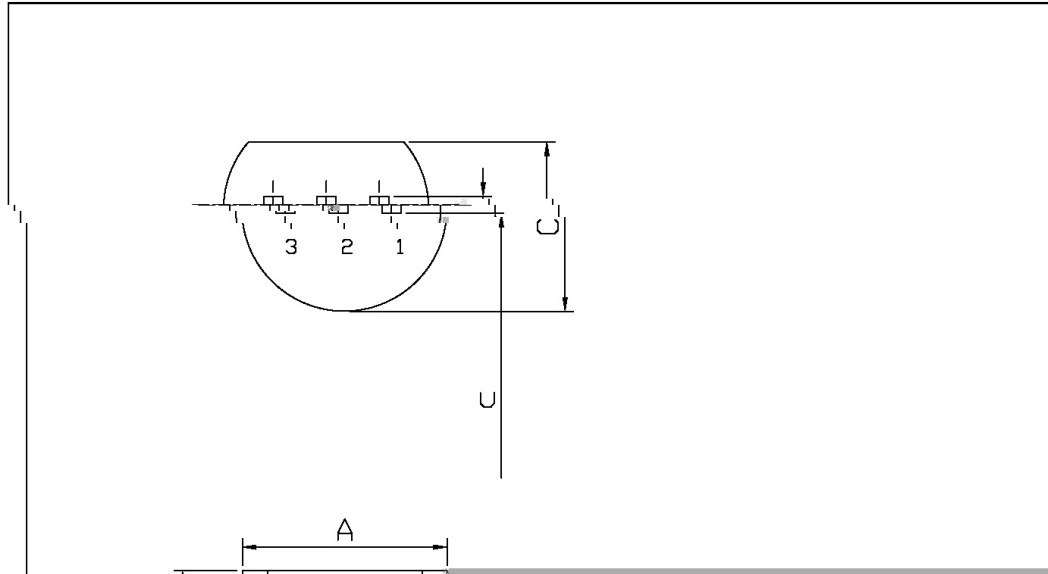
/ Electrical Characteristic Curve



/ Package Dimensions

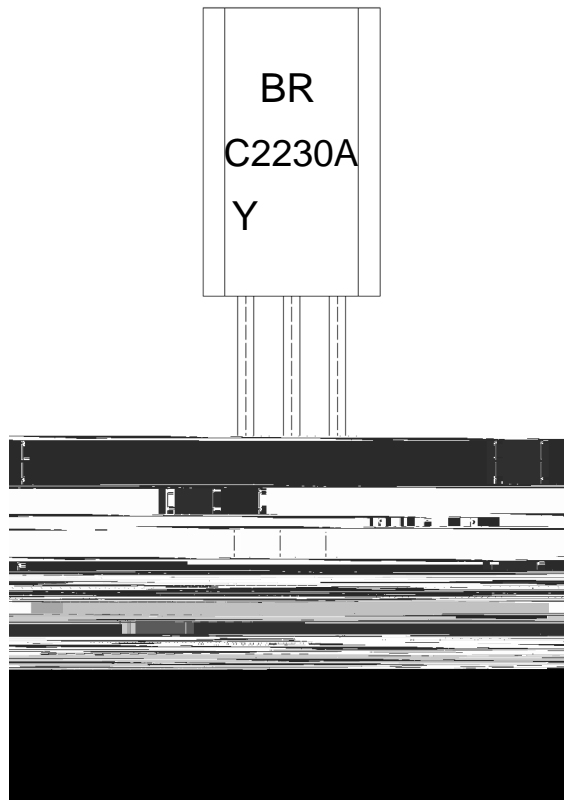
TO-92LM

Unit: mm



Symbol	Dimensions In Millimeters	
	Min	Max
A	4.47	5.1
U	1.27	1.78
U ₁	0.25	0.50
U ₂	0.25	0.50
U ₃	0.25	0.50
U ₄	0.25	0.50
U ₅	0.25	0.50
U ₆	0.25	0.50
U ₇	0.25	0.50
U ₈	0.25	0.50
U ₉	0.25	0.50
U ₁₀	0.25	0.50
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U ₁₆	0.25	0.50
U ₁₇	0.25	0.50
U ₁₈	0.25	0.50
U ₁₉	0.25	0.50
U ₂₀	0.25	0.50
U ₂₁	0.25	0.50
U ₂₂	0.25	0.50
U ₂₃	0.25	0.50
U ₂₄	0.25	0.50
U ₂₅	0.25	0.50
U ₂₆	0.25	0.50
U ₂₇	0.25	0.50
U ₂₈	0.25	0.50
U ₂₉	0.25	0.50
U ₃₀	0.25	0.50
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U ₈₇	0.25	0.50
U ₈₈	0.25	0.50
U ₈₉	0.25	0.50
U ₉₀	0.25	0.50
U ₉₁	0.25	0.50
U ₉₂	0.25	0.50
U ₉₃	0.25	0.50
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U ₉₆	0.25	0.50
U ₉₇	0.25	0.50
U ₉₈	0.25	0.50
U ₉₉	0.25	0.50
U ₁₀₀	0.25	0.50

/ Marking Instructions

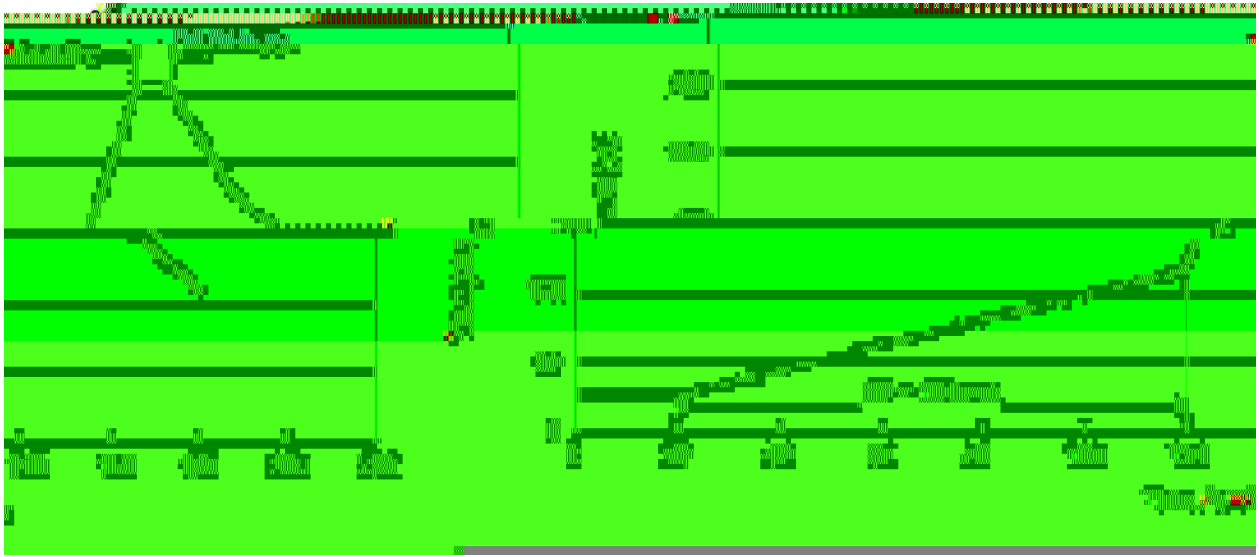


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Note:

- BR: Company Code.
- C2230A: Product Type.
- Y: 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)		
	只袋	袋盒	只盒	盒箱	只箱	袋	盒	箱