/ Descriptions

TO-92 NPN Silicon NPN transistor in a TO-92 Plastic Package.

/ Features

KSB1116(A)

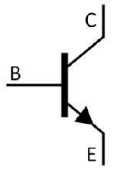
Complementary pair with KSB1116(A)

/ Applications

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Audio frequency power amplifier, medium speed switching.

/ Equivalent Circuit



/ Pinning



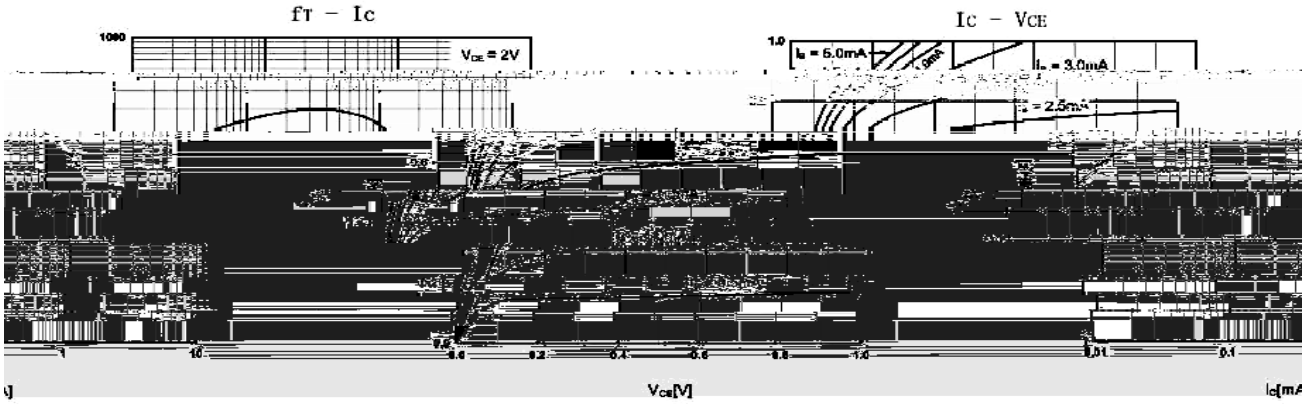
PIN1 Base PIN 2 Collector PIN 3 Emitter

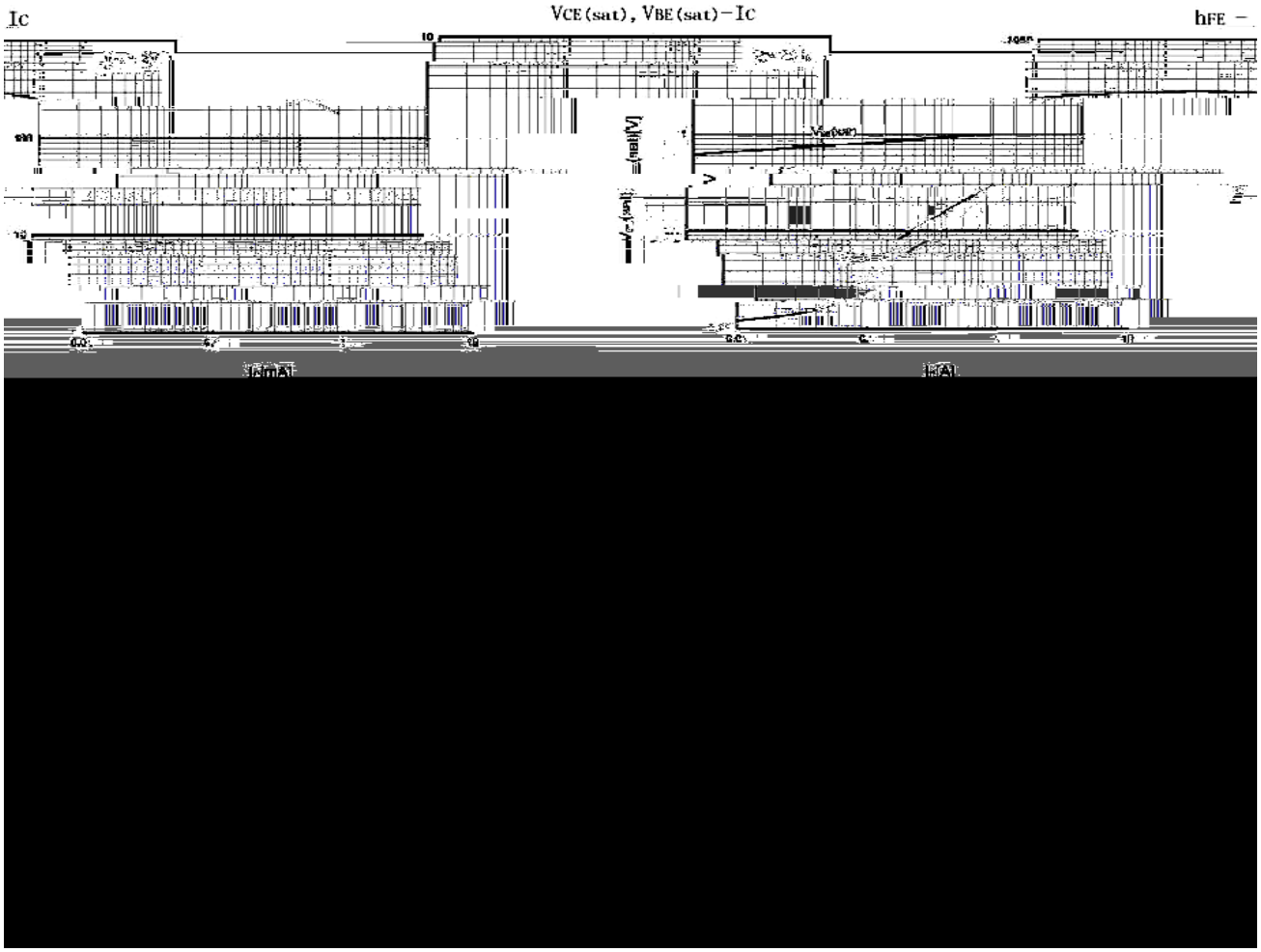
/ hFE Classifications & Marking

h_{FE} Classifications Symbol	Y	G	L
h_{FE} Range	135~270	200~400	300~600

Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}	KSD1616	60	V
		KSD1616A	120	
Collector to Emitter Voltage	V_{CEO}	KSD1616	50	V
		KSD1616A	60	
Emitter to Base Voltage	V_{EBO}		6.0	V
Collector Current - Continuous	I_C		1.0	A
Collector Current – Continuous(Pulse)	I_{CP}		2.0	A

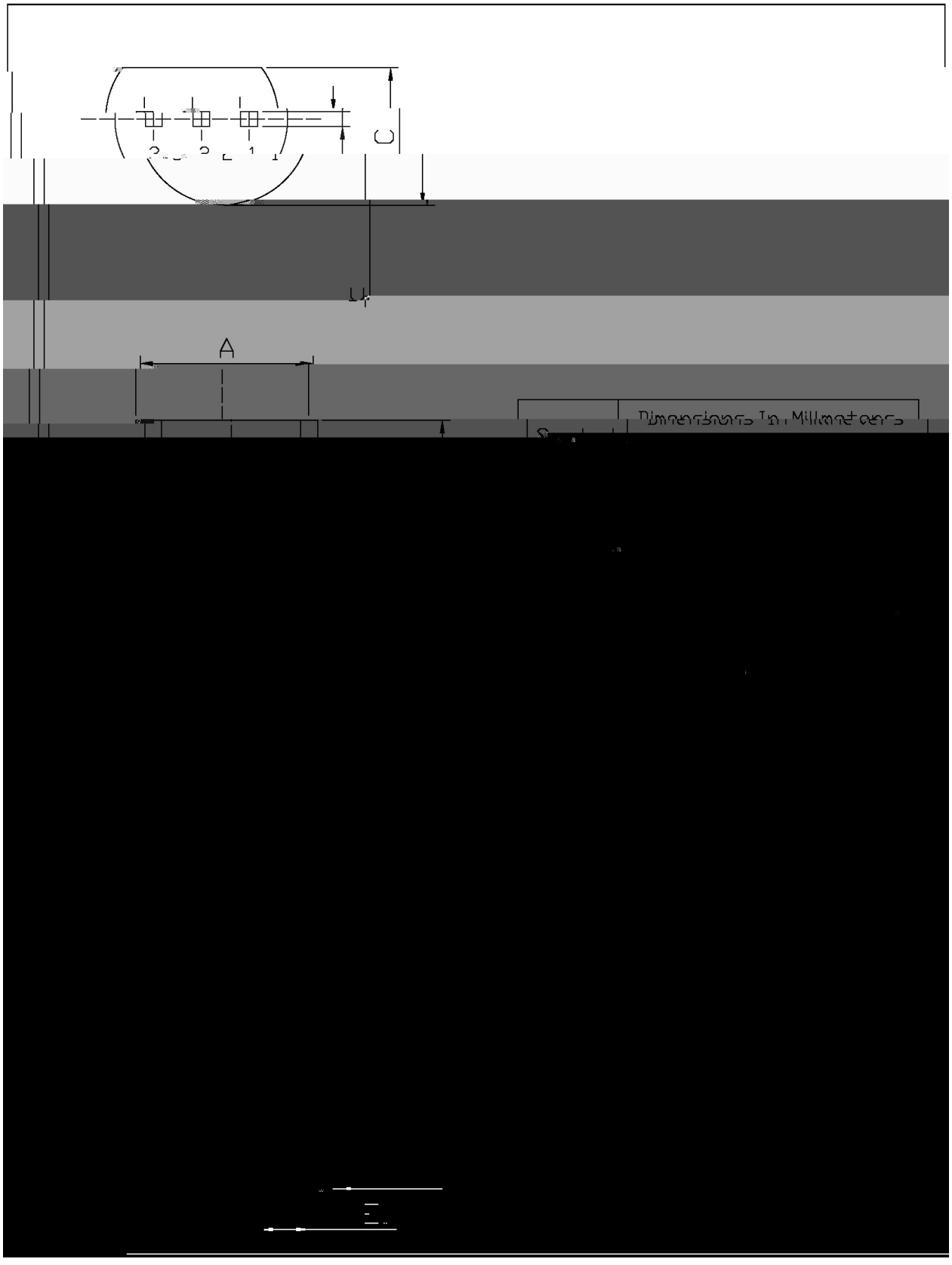
/ Electrical Characteristic Curve



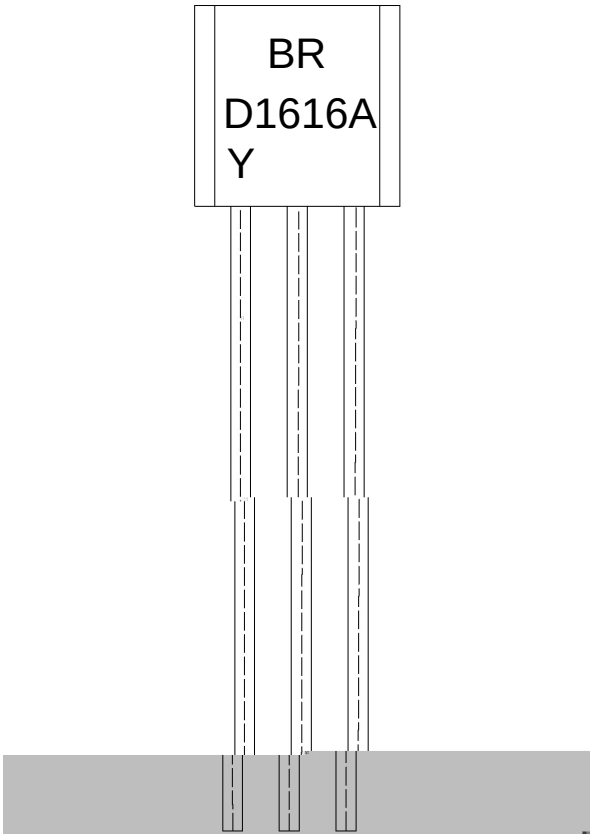


/ Package Dimensions

TO-92 Unit: mm



/ Marking Instructions



BR:

D1616A

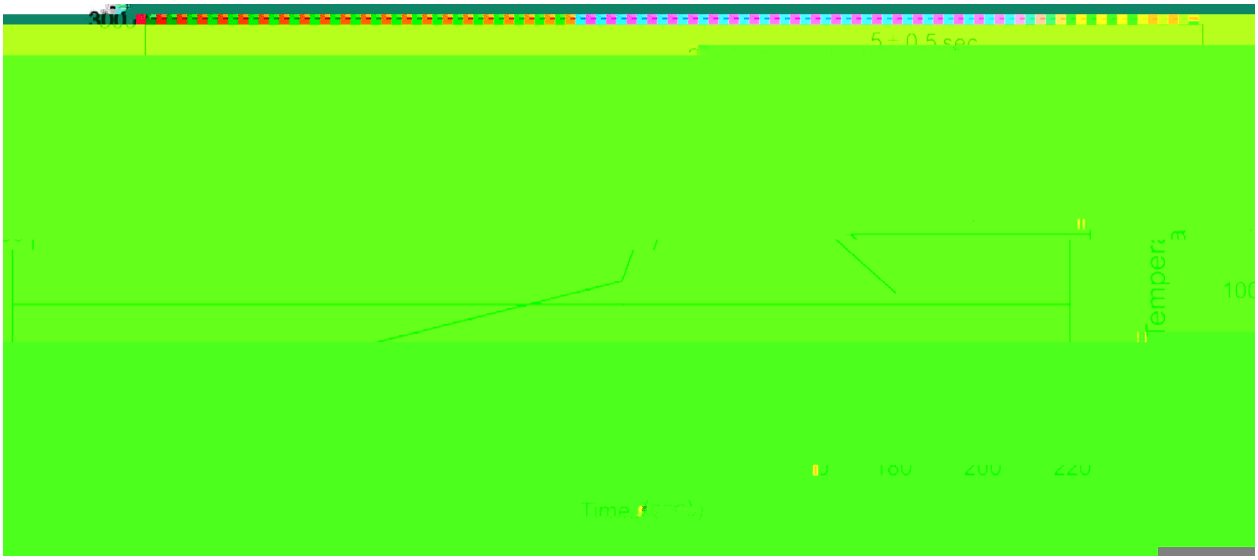
Y: h_{FE}

****

Note:

BR:	Company Code.
D1616A:	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: mm)
Box	3000	330*330*230