

Silicon NPN transistor in a TO-92 Plastic Package.

High current, Low voltage.

Driver stages of audio or video amplifiers applications.

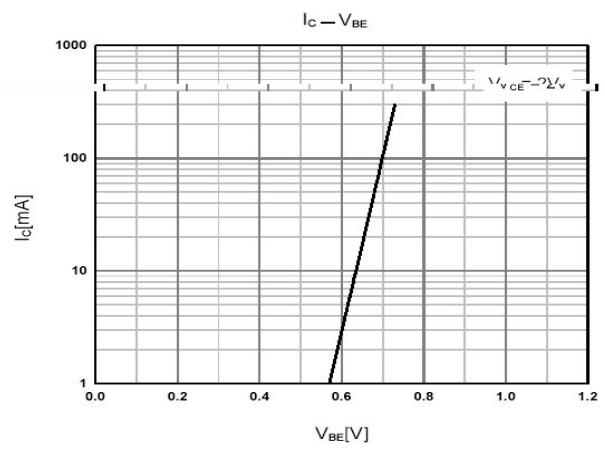
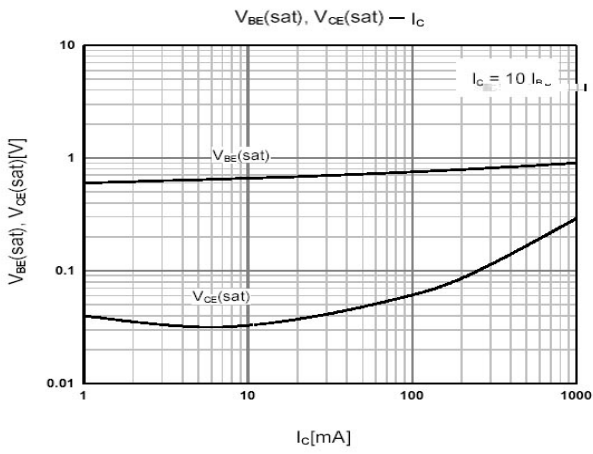
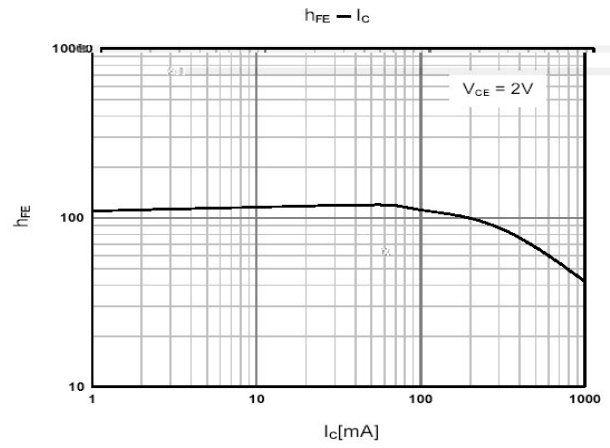
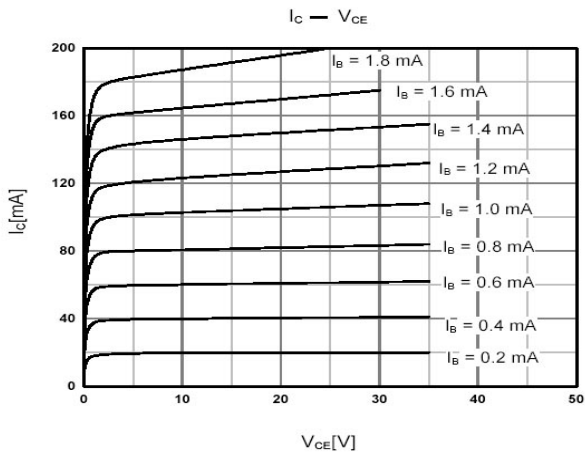


PIN1 Base      PIN 2 Collector      PIN 3 Emitter

$h_{FE}$ Classifications Symbol	16
$h_{FE}$ Range	100~250

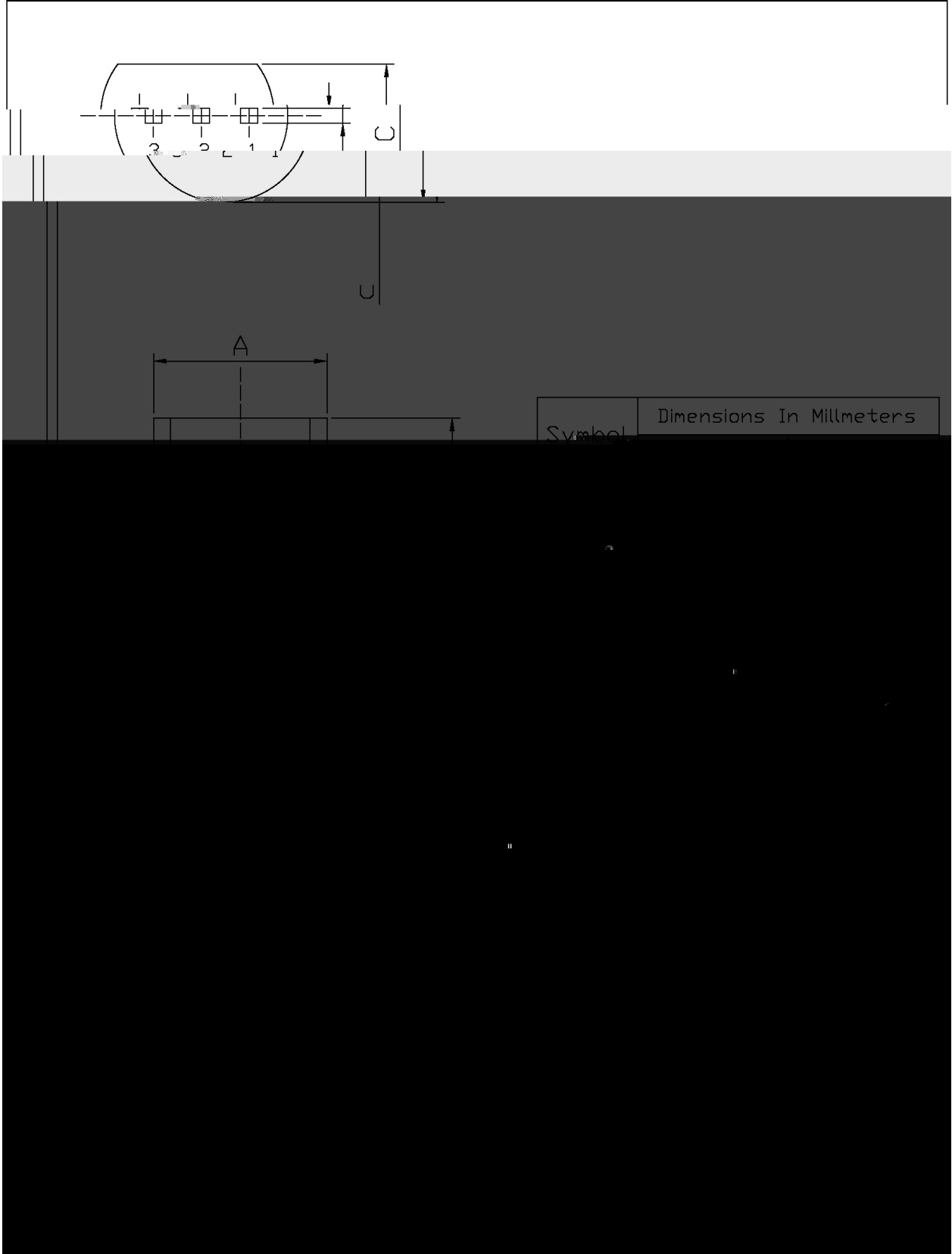
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	60	V
Collector to Emitter Voltage	$V_{CEO}$	60	V
Emitter to Base Voltage	$V_{EBO}$	5.0	V
Collector Current - Continuous	$I_C$	1.0	A
Peak Collector Current	$I_{CM}$	1.5	A
Peak Base Current	$I_{BM}$	200	mA
Total Power Dissipation	$P_{tot}$	830	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 150	°C

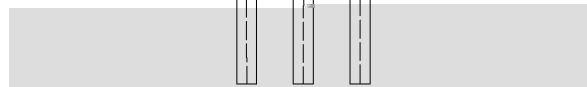
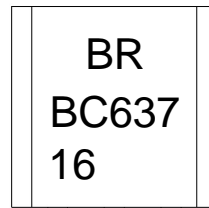
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=30V$ $I_E=0$			0.1	$\mu A$
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=5.0V$ $I_C=0$			0.1	$\mu A$
DC Current Gain	$h_{FE(1)}$	$V_{CE}=2.0V$ $I_C=150mA$	100		250	
	$h_{FE(2)}$	$V_{CE}=2.0V$ $I_C=5mA$	40			
	$h_{FE(3)}$	$V_{CE}=2.0V$ $I_C=500mA$	25			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=500mA$ $I_B=50mA$			0.5	V
Base to Emitter Voltage	$V_{BE}$	$I_C=500mA$ $V_{CE}=2.0V$			1.0	V
Transition Frequency	$f_T$	$V_{CE}=5.0V$ $f=100MHz$ $I_C=50mA$	100			MHz



T0-92

Unit: mm





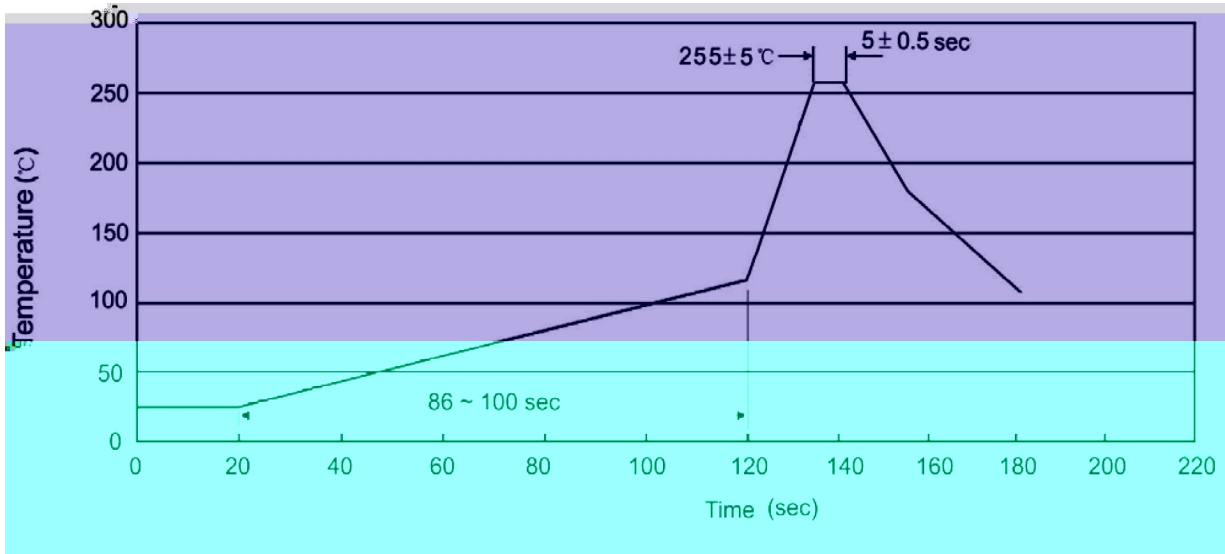
Note:

BR: Company Code.

BC637: Product Type.

16:  $h_{FE}$  Classifications Symbol

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


**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.            |

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

## / 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

## / AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	只纸带	纸带盒	纸带层盒	盒箱	只箱	盒	箱
							小箱 , 大箱