

BC637

Rev.E Mar.-2016

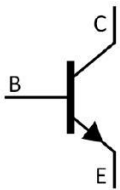
TO-92

NPN

Silicon NPN transistor in a TO-92 Plastic Package.

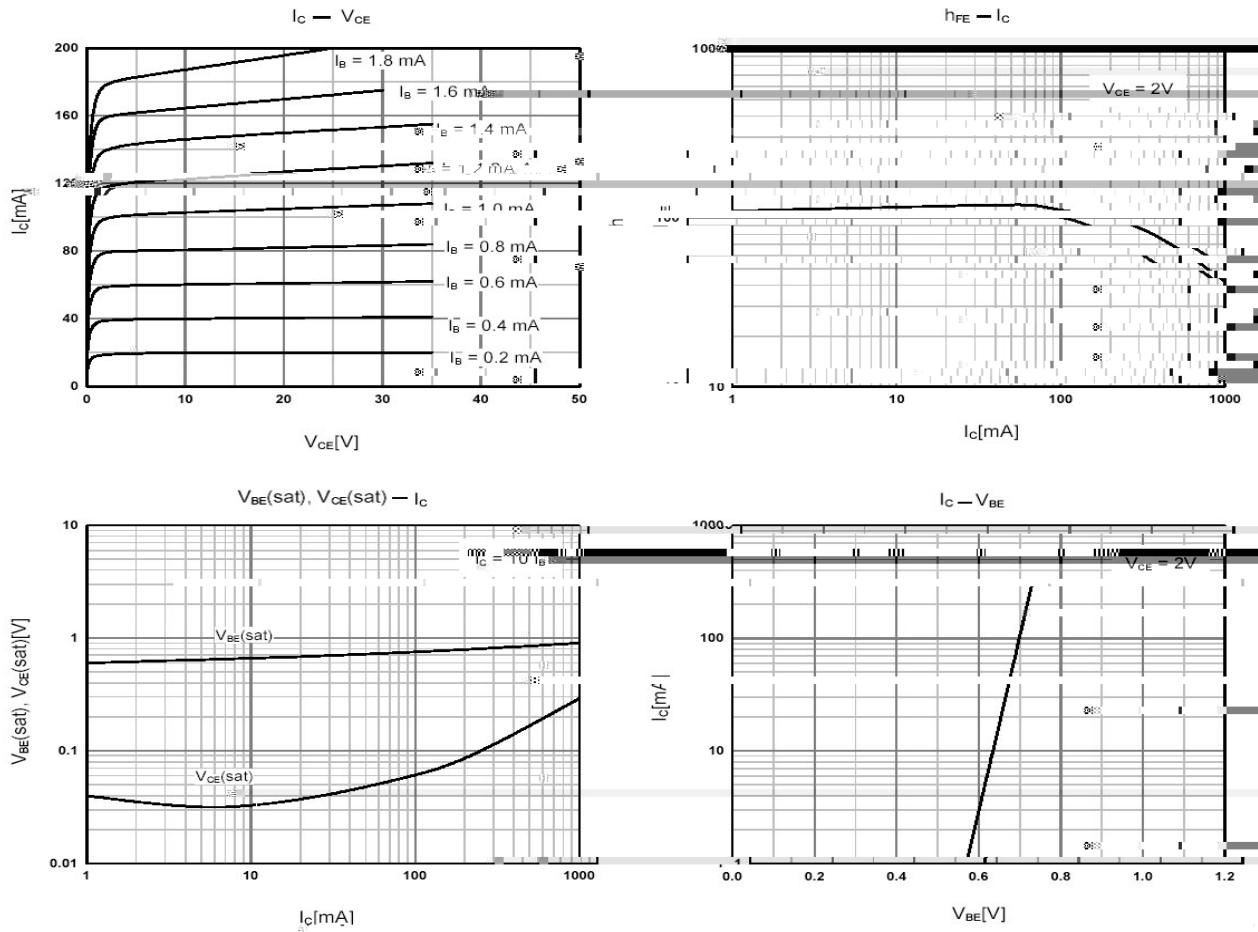
High current, Low voltage.

Driver stages of audio or video amplifiers applications.



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	
Storage Temperature Range	T_{stg}	-55 150	

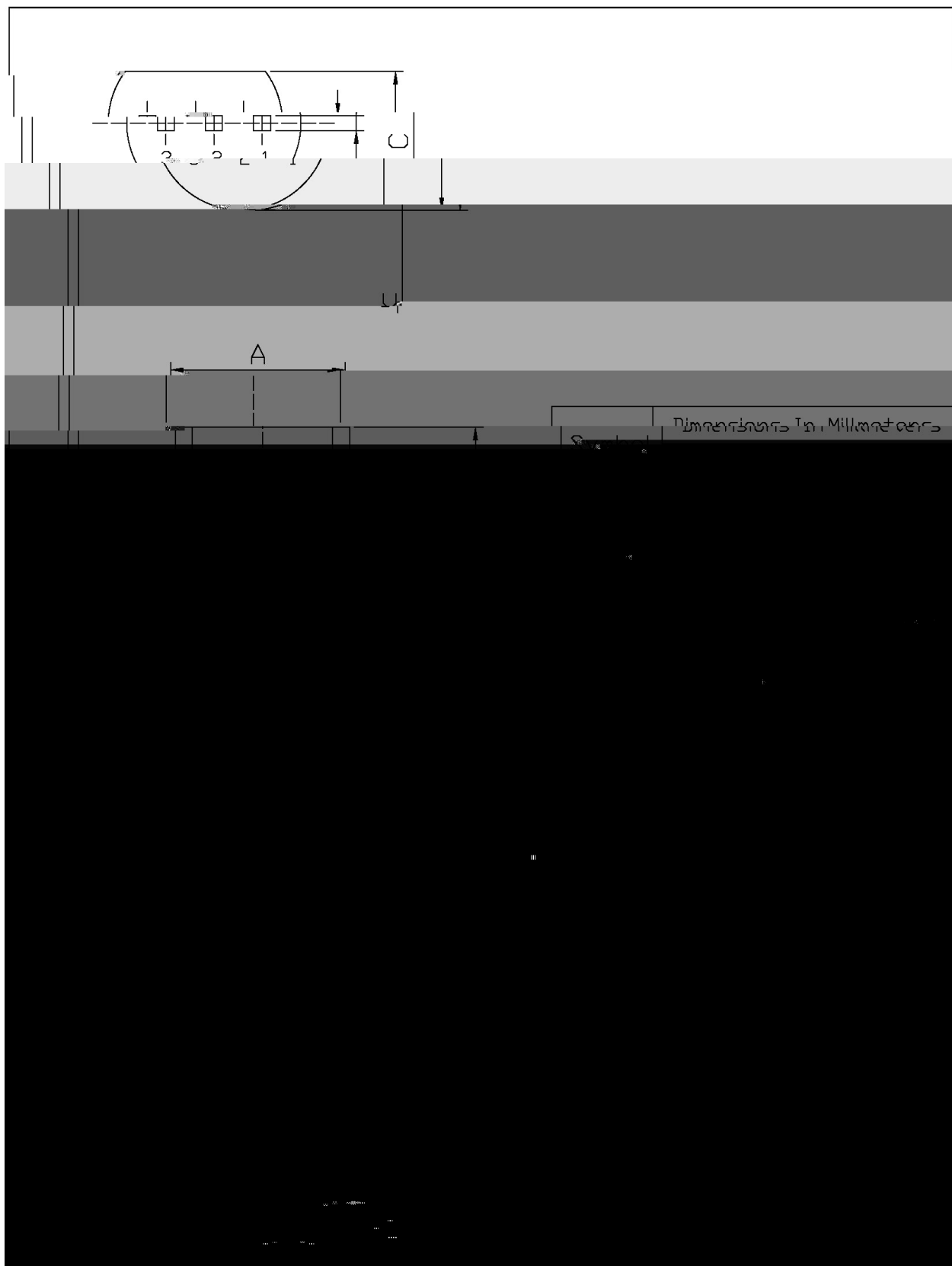
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=30V$ $I_E=0$			0.1	μA

Electrical Characteristic Curve


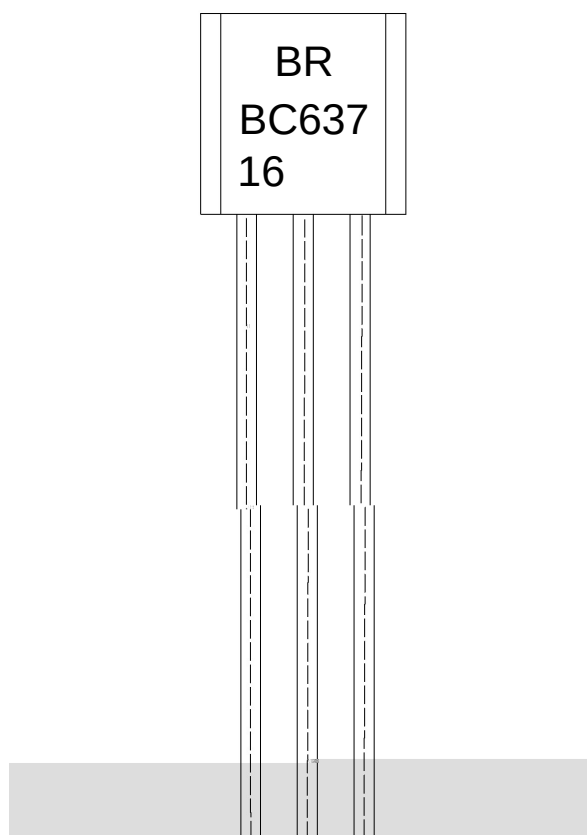
⊂ É Ò Ì f / Package Dimensions

TO-92

Unit: mm



4. 1. 1 / Marking Instructions



BR:

BC637

16: h_{FE}

Note:

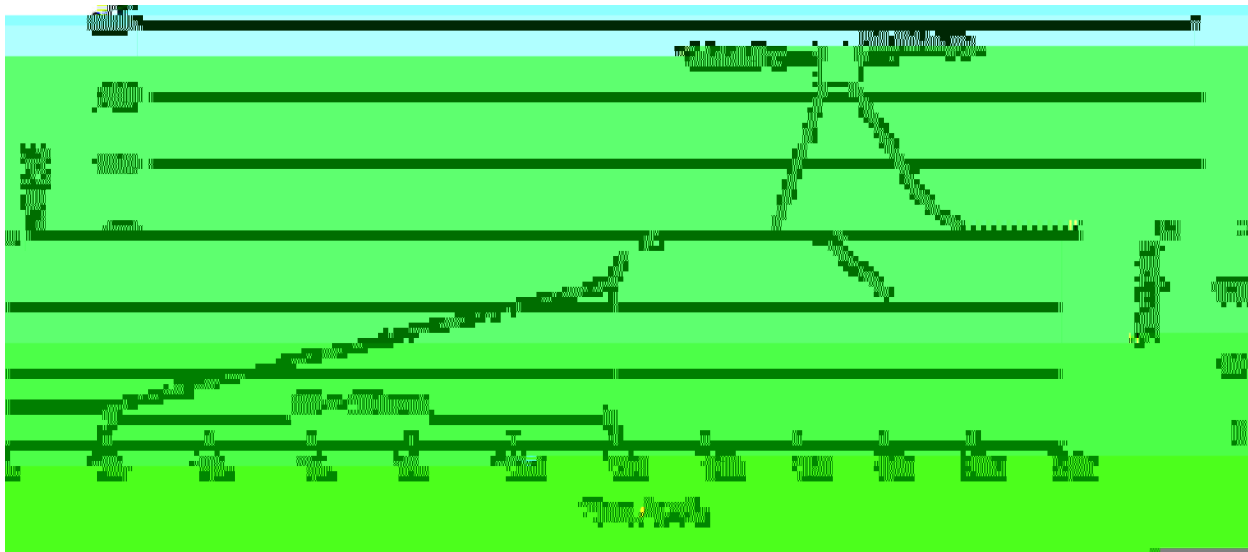
BR: Company Code.

BC637: Product Type.

16: h_{FE} Classifications Symbol

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

↓ \$ ¶ ŵ'E ¶ f (ŵ'ŝ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

- 1.Preheating:25~150 , Time:60~90sec.
- 2.Peak Temp.:255±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.

↓ ŵ q ŵ'Y ¶ / Resistance to Soldering Heat Test Conditions

270±5

10±1 sec.

Temp:270±5

Time:10±1 sec

¶ ŵ ŵ'— / 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

/ 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

ä v ŵ'Ŵ / Notices