

**/ Descriptions**

Silicon NPN transistor in a TO-92 Plastic Package.

**/ Features**

High  $P_C$  and  $I_C$ .

**/ Applications**

Medium power amplifier applications.

**/ Equivalent Circuit**



**/ Pinning**



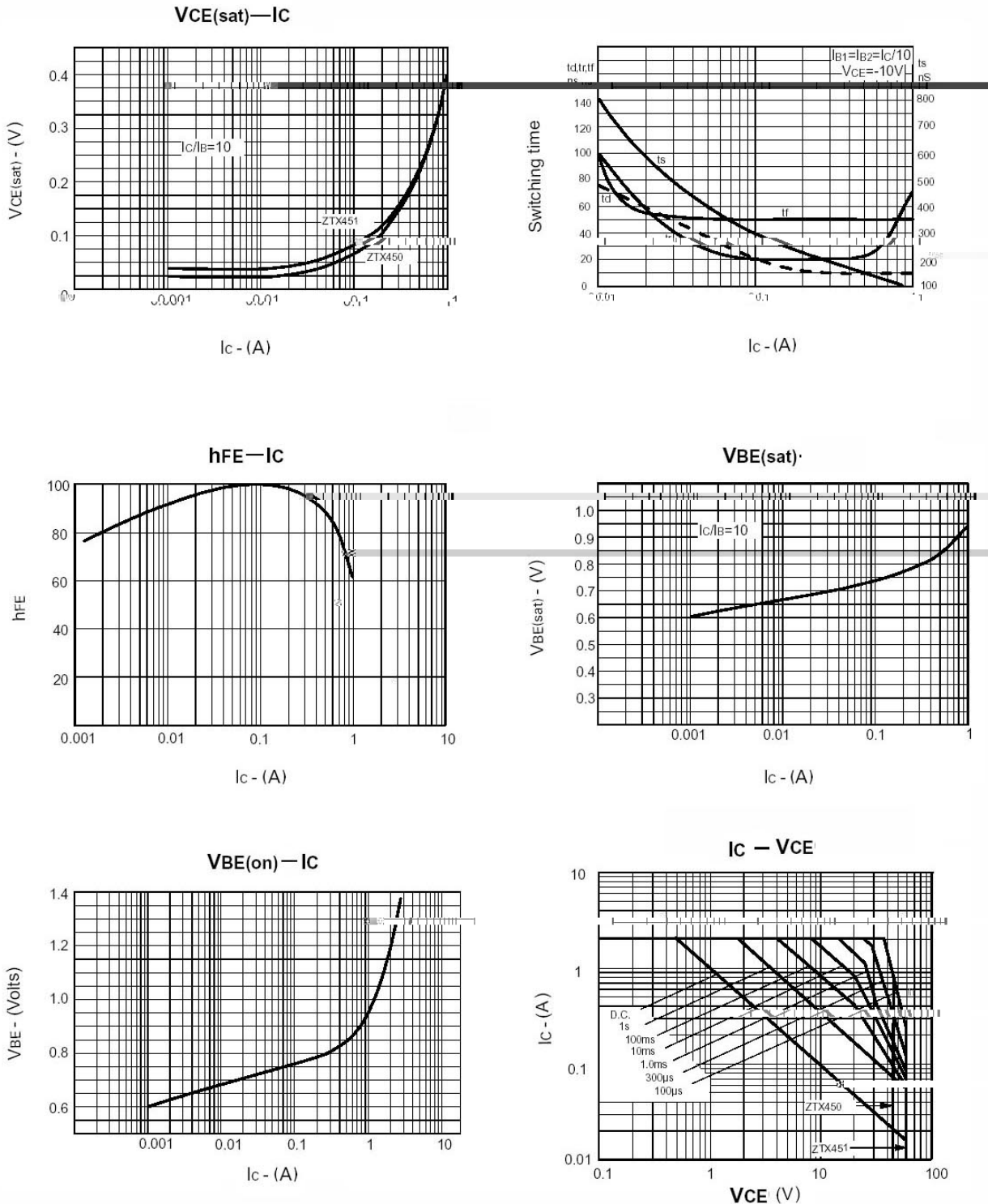
PIN1 Collector      PIN 2 Base      PIN 3 Emitter

**/ hFE Classifications & Marking**

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	60	V
Collector to Emitter Voltage	$V_{CEO}$	45	V
Emitter to Base Voltage	$V_{EBO}$	5.0	V

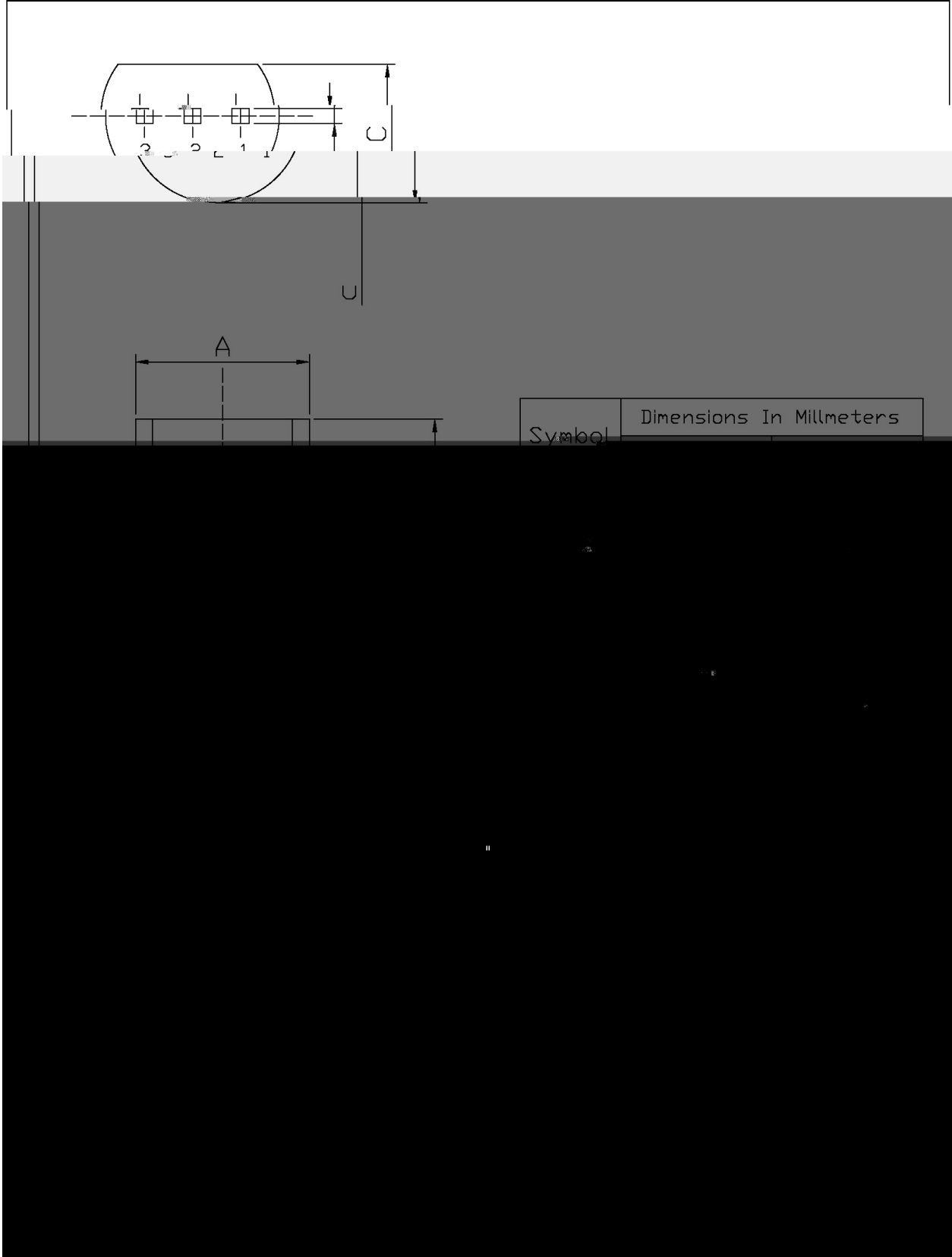
**/ Electrical Characteristic Curve**



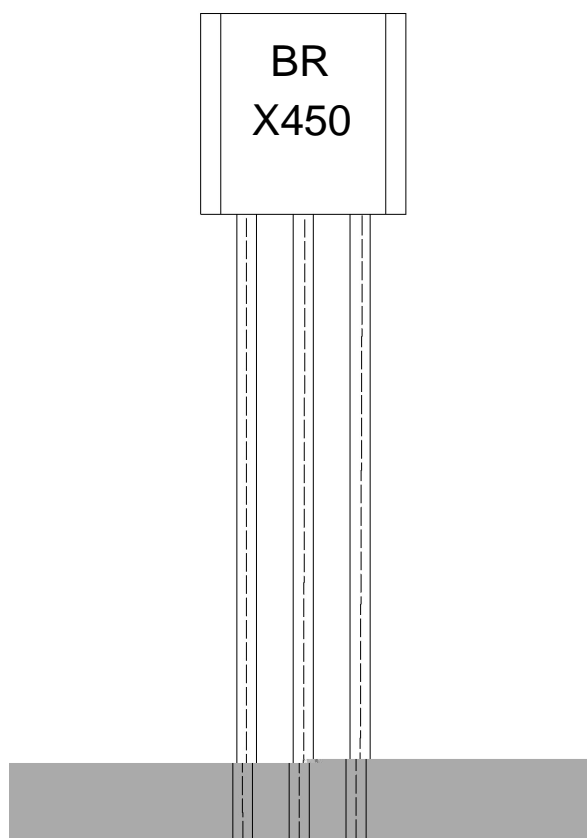
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



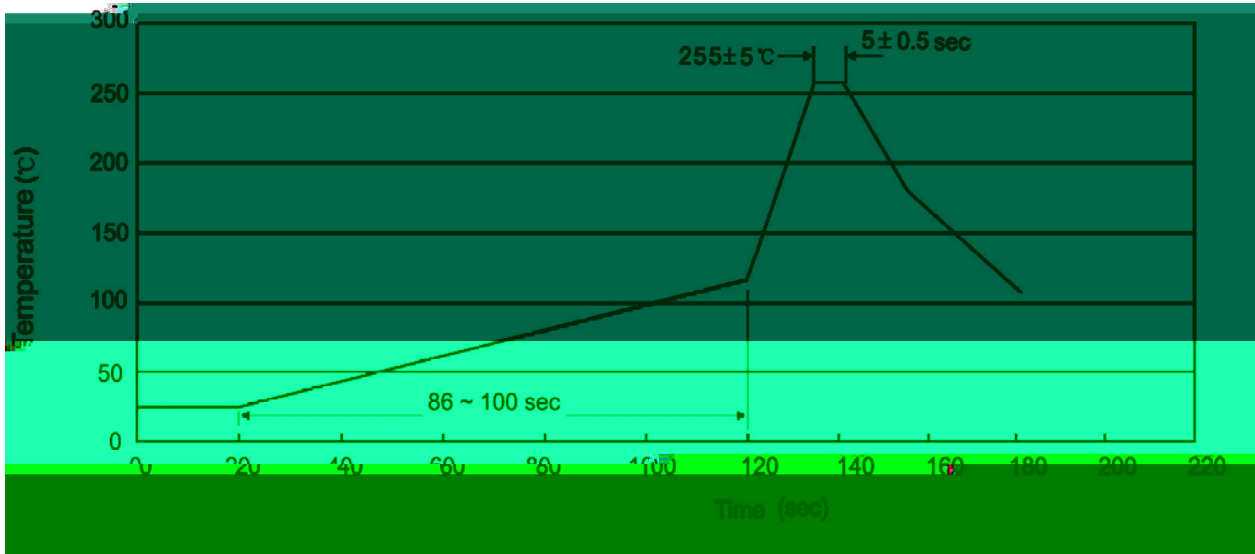
Note:

BR: Company Code.

X450: Product Type.

\*\*\*\*: 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

/ 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	纸带箱	袋	盒	箱