

**/ Descriptions**

SOT-89          PNP                          Silicon PNP transistor in a SOT-89 Plastic Package.

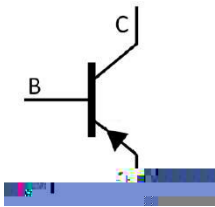
**/ Features**

$V_{CE(sat)}$  ,  $h_{FE}$   
Low saturation voltage, excellent  $h_{FE}$  linearity and high  $h_{FE}$ . Halogen-free Product.

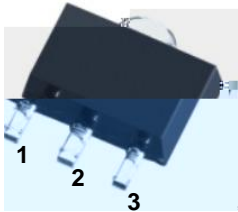
**/ Applications**

3  
Output stage of 3 watts audio amplifier, regulator, DC-DC converter and relay driver.

**/ Equivalent Circuit**



**/ Pinning**



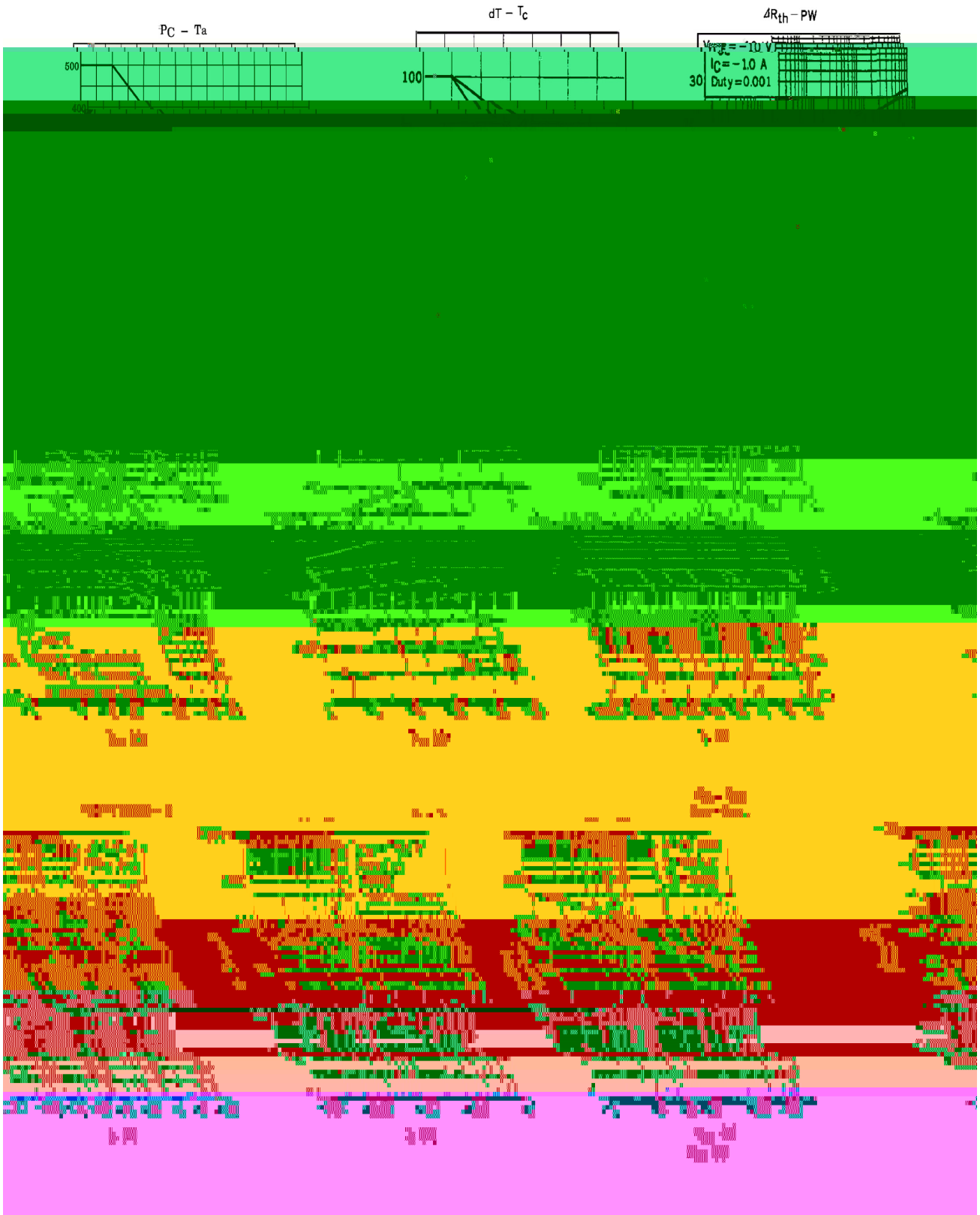
PIN1 Base          PIN 2 Collector          PIN 3 Emitter

**/ Marking**

$h_{FE}$ Classifications Symbol	R	Q	P	E
$h_{FE}$ Range	60 120	100 200	160 320	200 400
Marking	H72R * *	H72Q * *	H72P * *	H72E * *

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-40	V
Collector to Emitter Voltage	$V_{CEO}$	-30	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current-Continuous	$I_C$	-3.0	A
Collector Power Dissipation	$P_C$	500	mW
Junction Temperature			

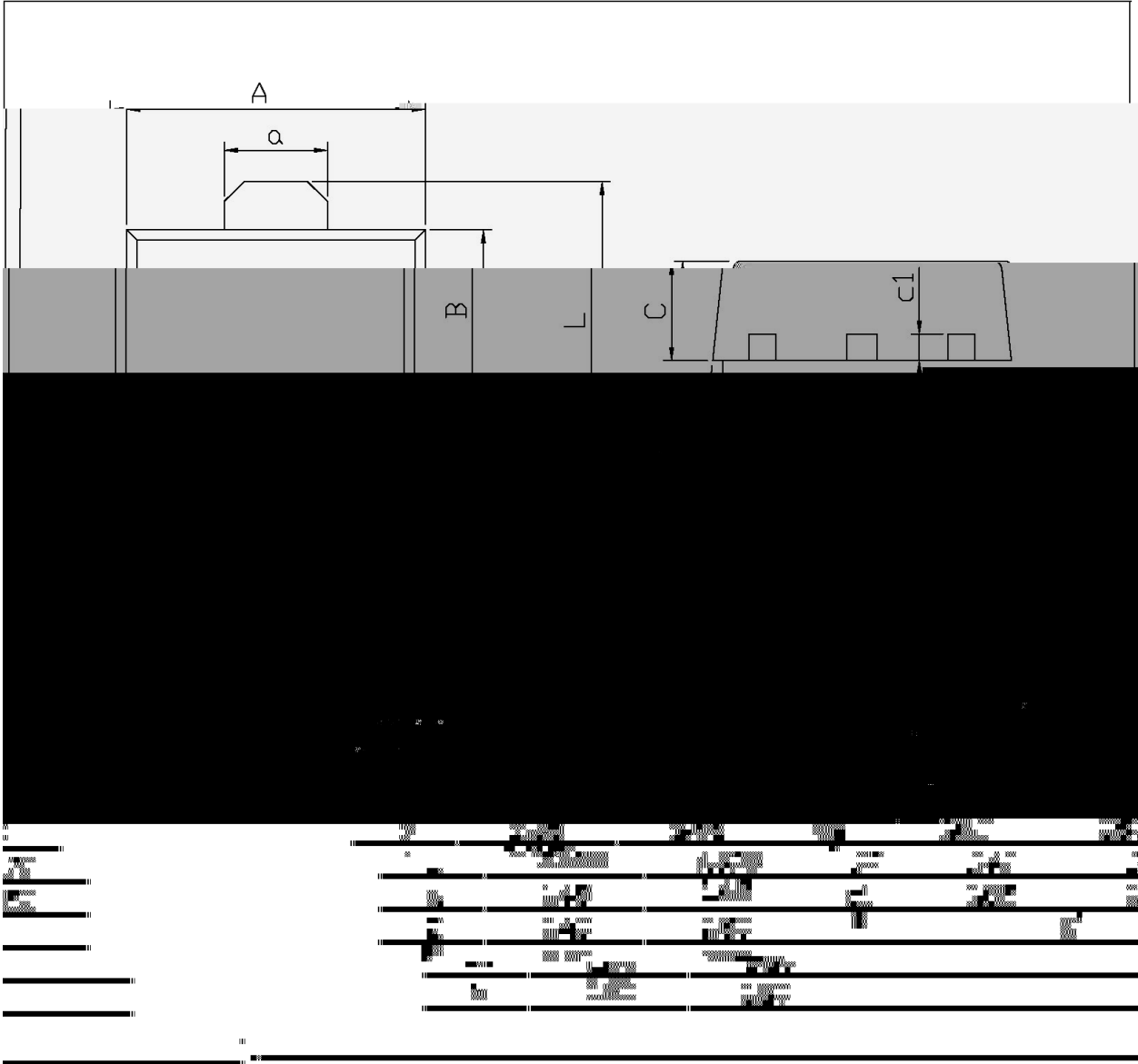
/ Electrical Characteristic Curve



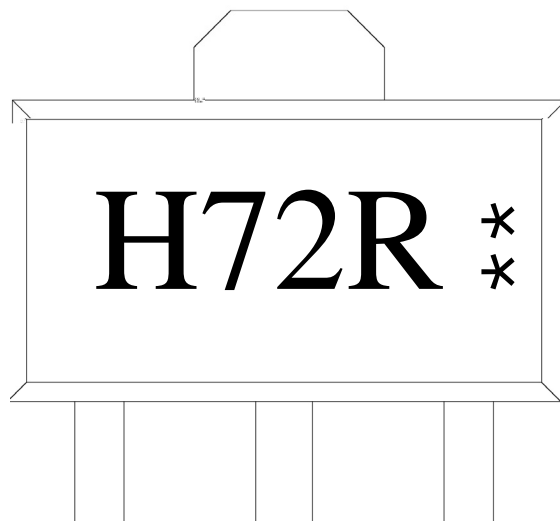
/ Package Dimensions

SOT-89

单位: mm



/ Marking Instructions



H

72

R

$h_{FE}$

\*\*

Note:

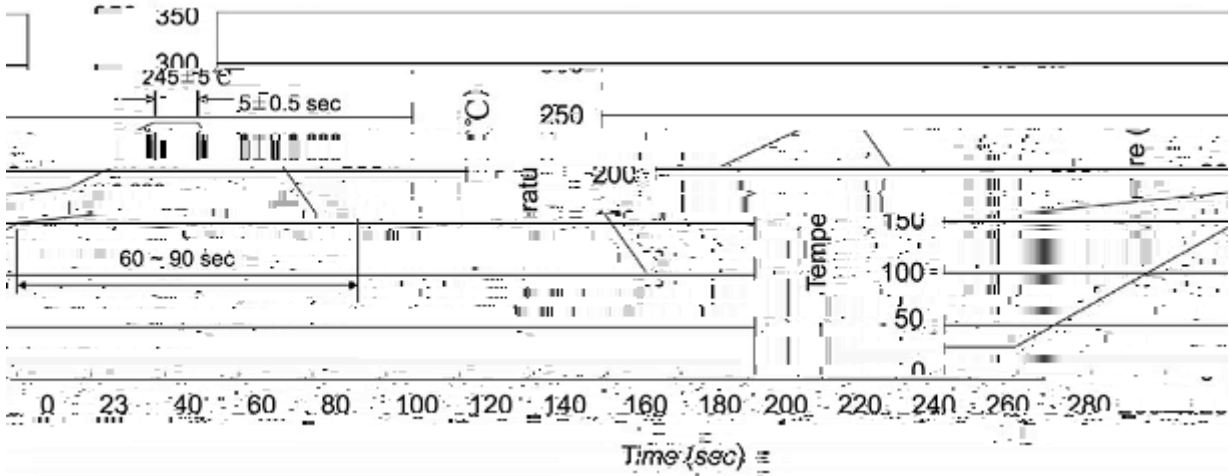
H: Company Code.

72: Product Type.

R  $h_{FE}$  Classifications Symbol

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

( ) / K\ d g\ rXk\ r\ Prf ]i\ d ]f r ll I \]f w Jf q \rie^ ŽPY-Fr\ž



Note:

- |   |       |     |       |        |   |
|---|-------|-----|-------|--------|---|
| 1 | 25    | 150 | 60    | 90sec; | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 245±5 |     | 5±0.5 | sec;   | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 |       | 2   | 10    | /sec.  | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

260±5                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units				Dimension (unit mm <sup>3</sup> )		

/ Notices