

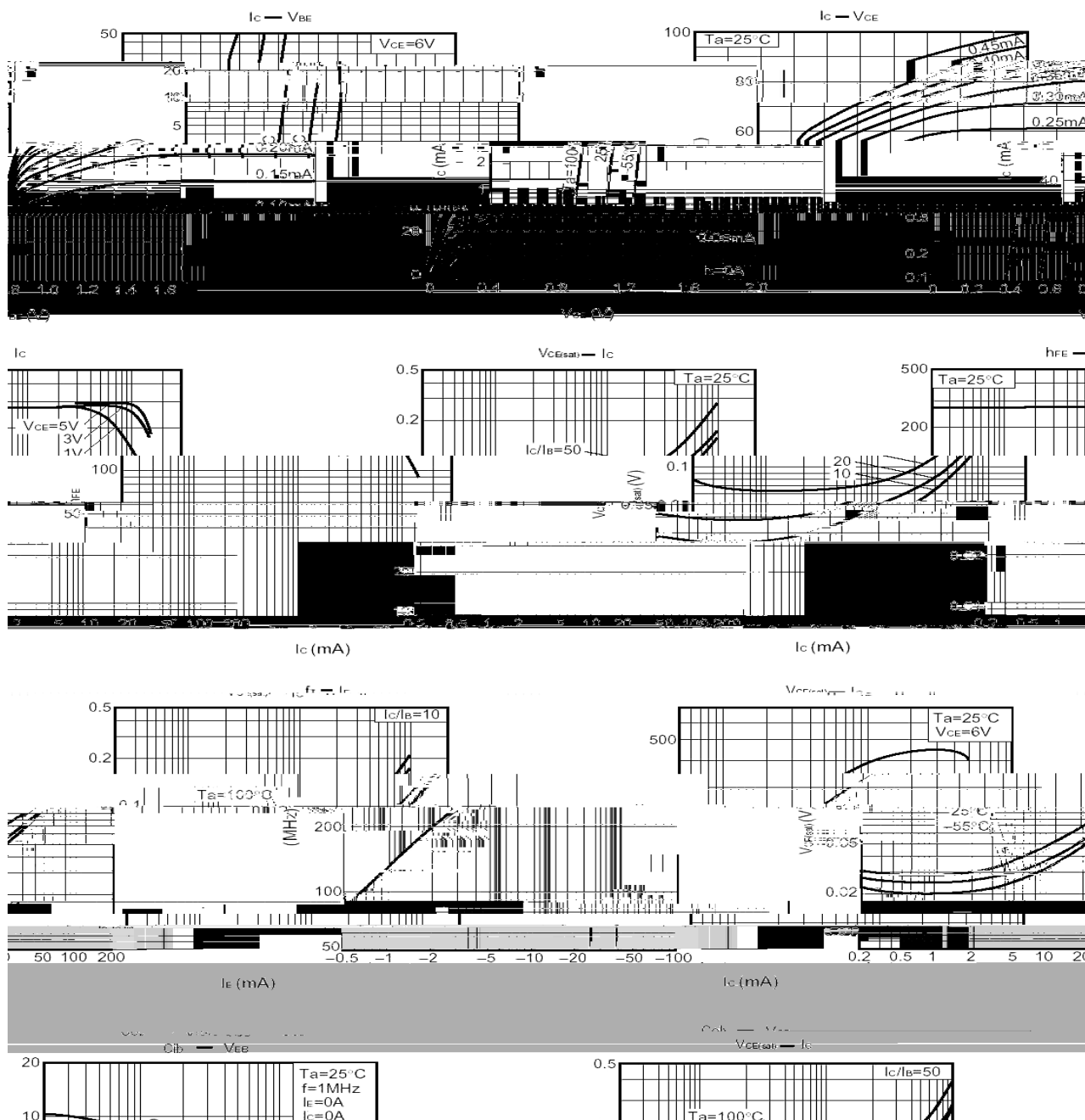
SOT-23 NPN Silicon NPN transistor in a SOT-23 Plastic Package.

Low $C_{ob.}$

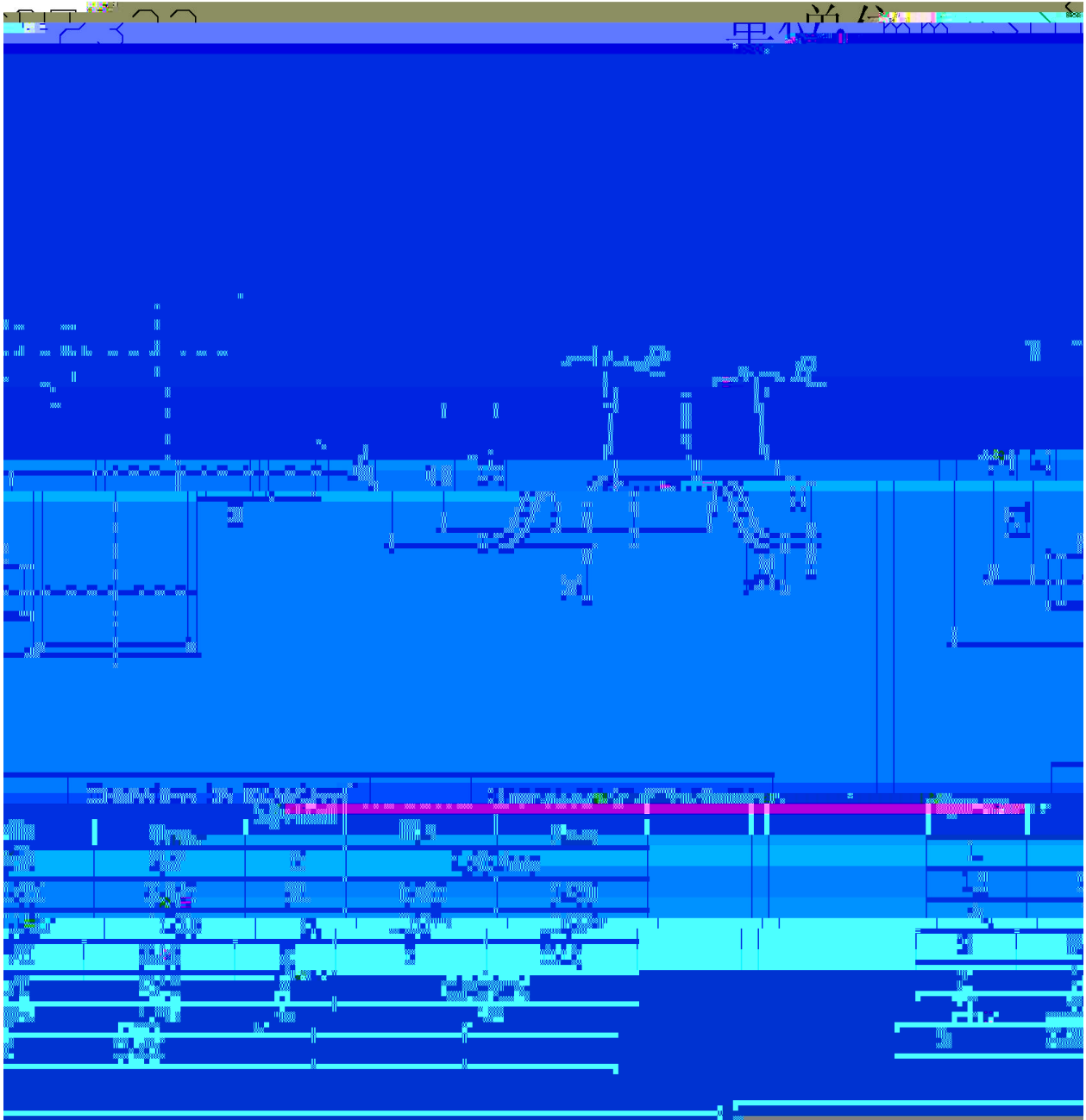
2SC4081 is a silicon NPN transistor in a SOT-23 Plastic Package. It is designed for use in a wide range of applications, including audio amplifiers, radio receivers, and other electronic circuits. The transistor has a maximum collector current of 100mA and a maximum collector-emitter voltage of 30V. It also has a maximum power dissipation of 100mW. The transistor is characterized by its low output capacitance, which makes it suitable for use in high-frequency applications. The typical values for the transistor's parameters are given in the table below.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V

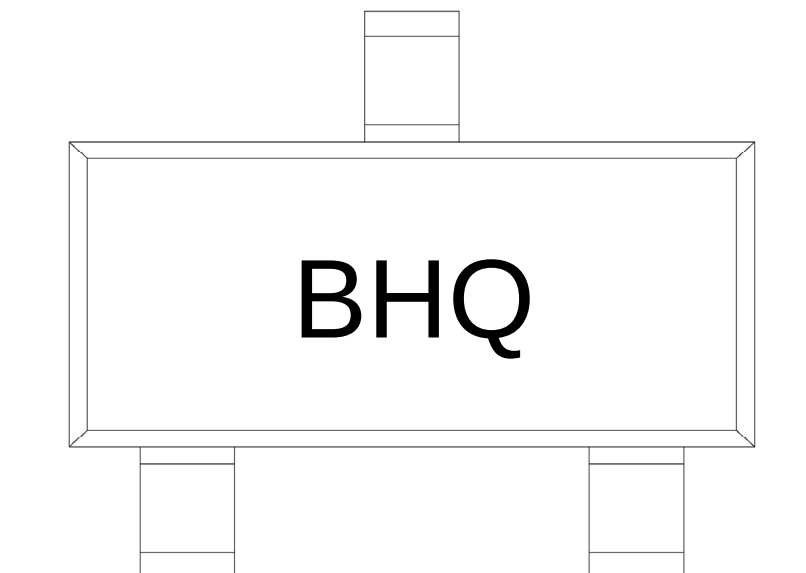
Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



B

H

Q h_{FE}

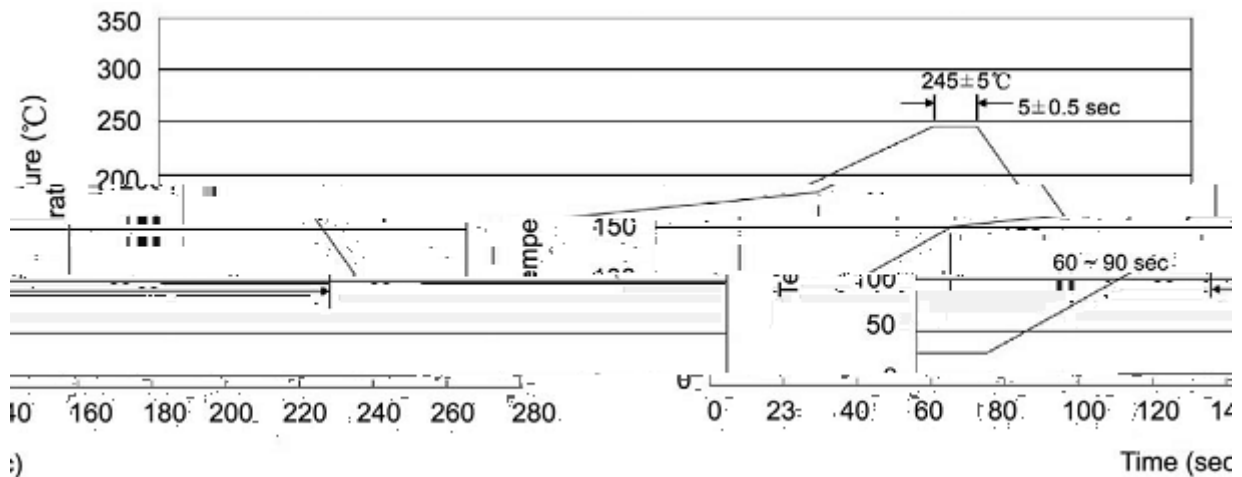
Note:

B Product Type Code

H Company Code

Q h_{FE} Classifications Symbol Code

() / **Temperature Profile for IR Reflow Soldering(Pb-Free)**



Note:

- | | | | |
|---|----------|-------------|---|
| 1 | 25 ~ 150 | 60 ~ 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 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 ³)		

/ **Notices**