

SOT-223 M M E QSQ æ M y s ll 1 Silicon NPN transistor in a SOT-223 Plastic Package.

Low saturation voltage, excellent h_{FE} linearity and high h_{FE} .

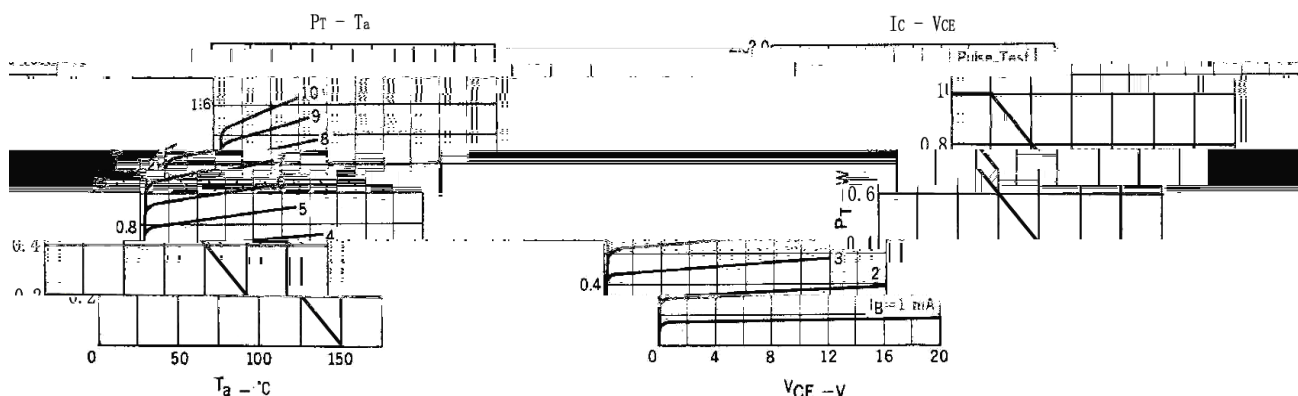
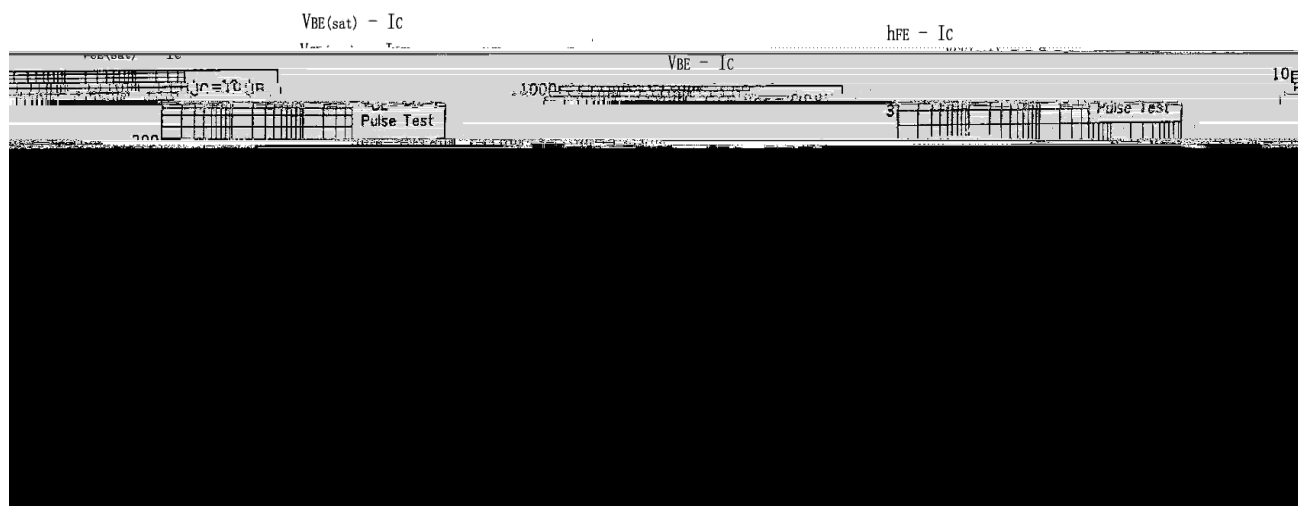
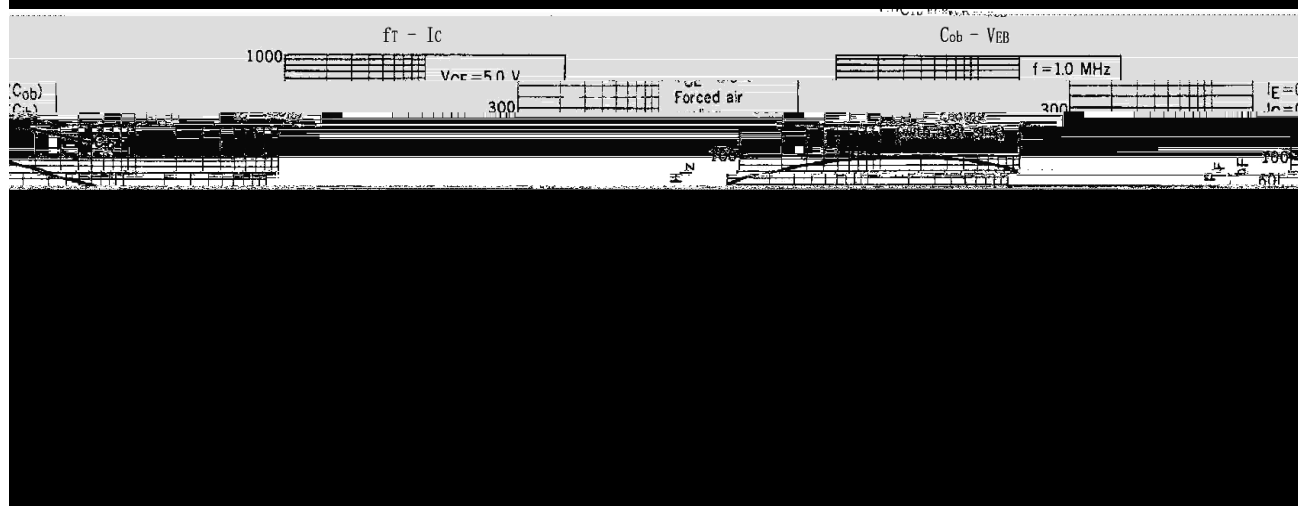
Output stage of 3 watts audio amplifier, voltage regulator, DC-DC converter and relay driver .

PIN1 $\times$ Base PIN 2 $\times$ Collector PIN 3 $\times$ Emitter

h _{FE} Classifications Symbol	R	Q	P	E
h _{FE} Range	60~120	100~200	160~320	200~400

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_{EBQ}	5.0	V
Collector Current - Continuous	I_C	3.0	A

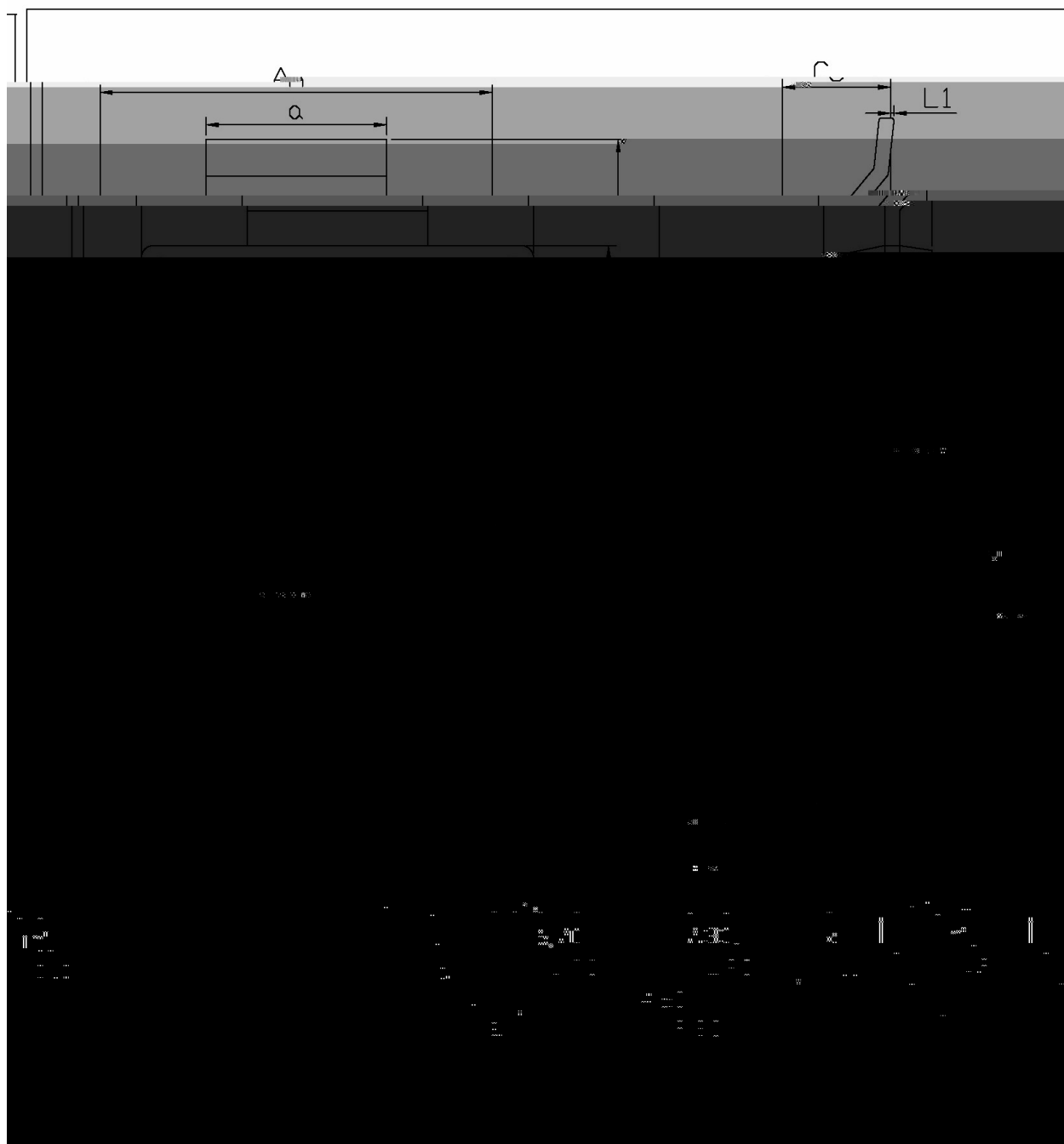
/ Electrical Characteristic Curve



/ Package Dimensions

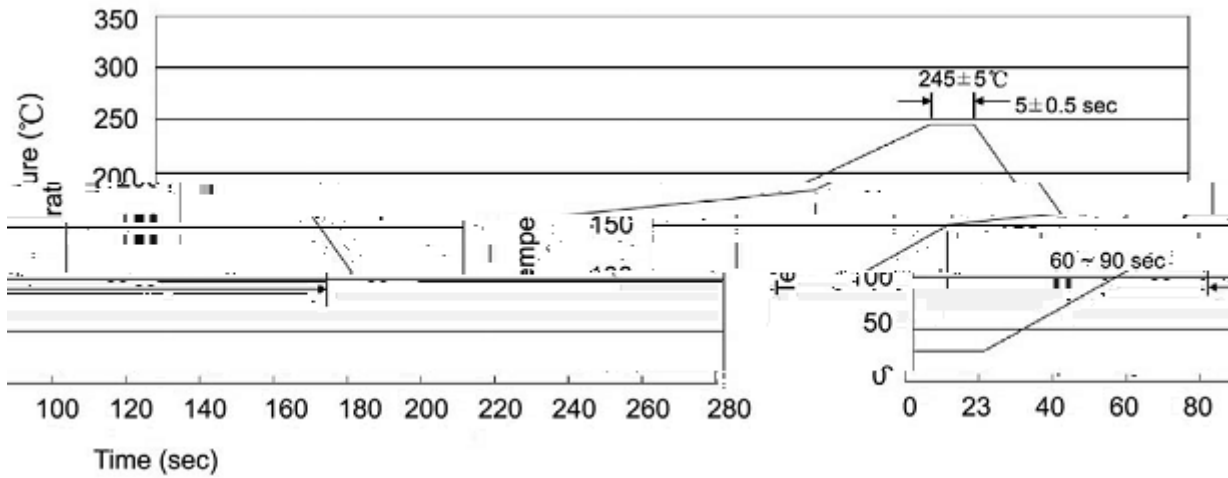
SW-223

单位: mm



3

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



说明

1. 预加热: 25~150 °C, Time: 60~90sec;
2. 峰值温度: 245±5 °C, 持续时间: 5±0.5sec;
3. 冷却速度: 2~10 °C/sec.

Note:

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

/ Resistance to Soldering Heat Test Conditions

测试条件: 260±5 °C, Time: 10±1 sec. Temp:260±5 Time:10±1 sec