

BF820

Rev.F Apr.-2017

/ Descriptions

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

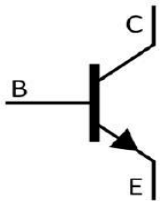
/ Features

Low current, high voltage.

/ Applications

Telephony and professional communication equipment.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Emitter PIN 3 Collector

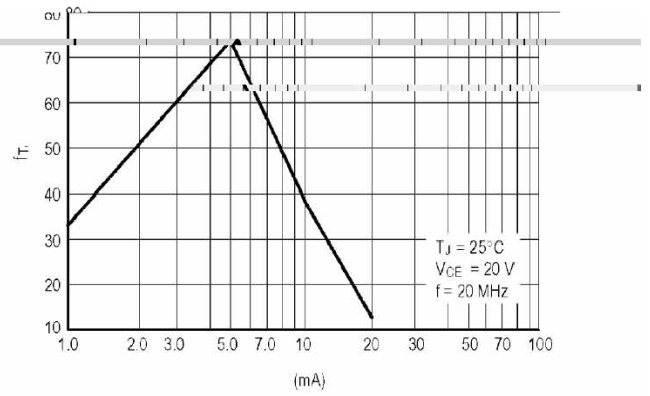
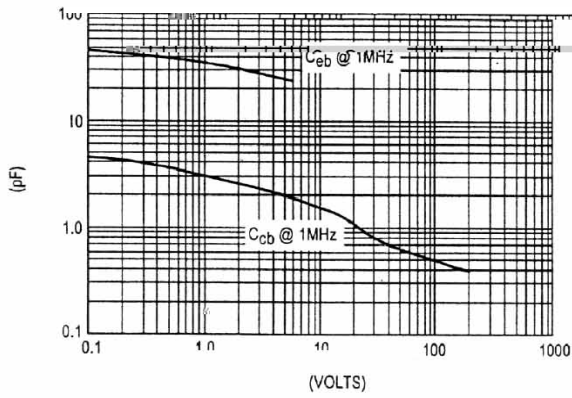
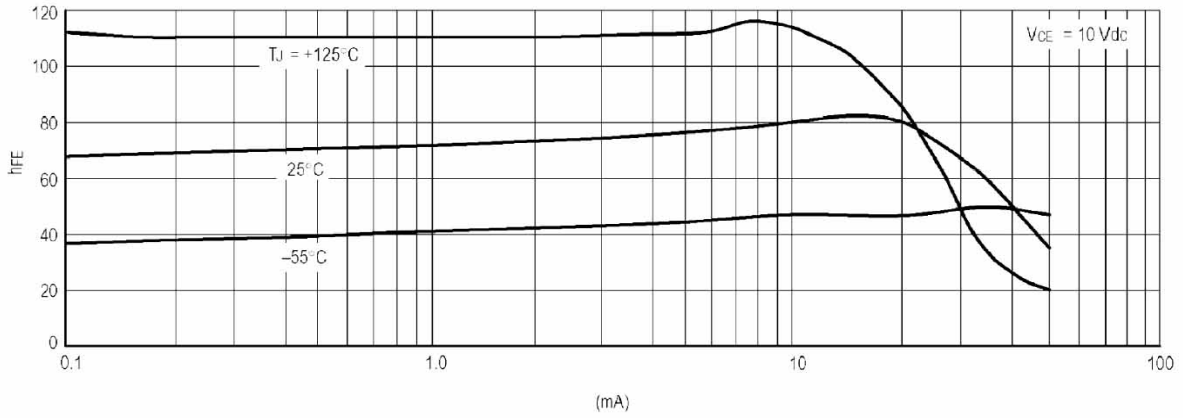
/ h_{FE} Classifications & Marking

h_{FE} Range	>50
Marking	H1V

Rating	Unit
300	V
300	V
5.0	V
50	mA
100	mA
50	mA
250	mW
150	°C
-55~150	°C

Min	Typ	Max	Unit
00			V
00			V

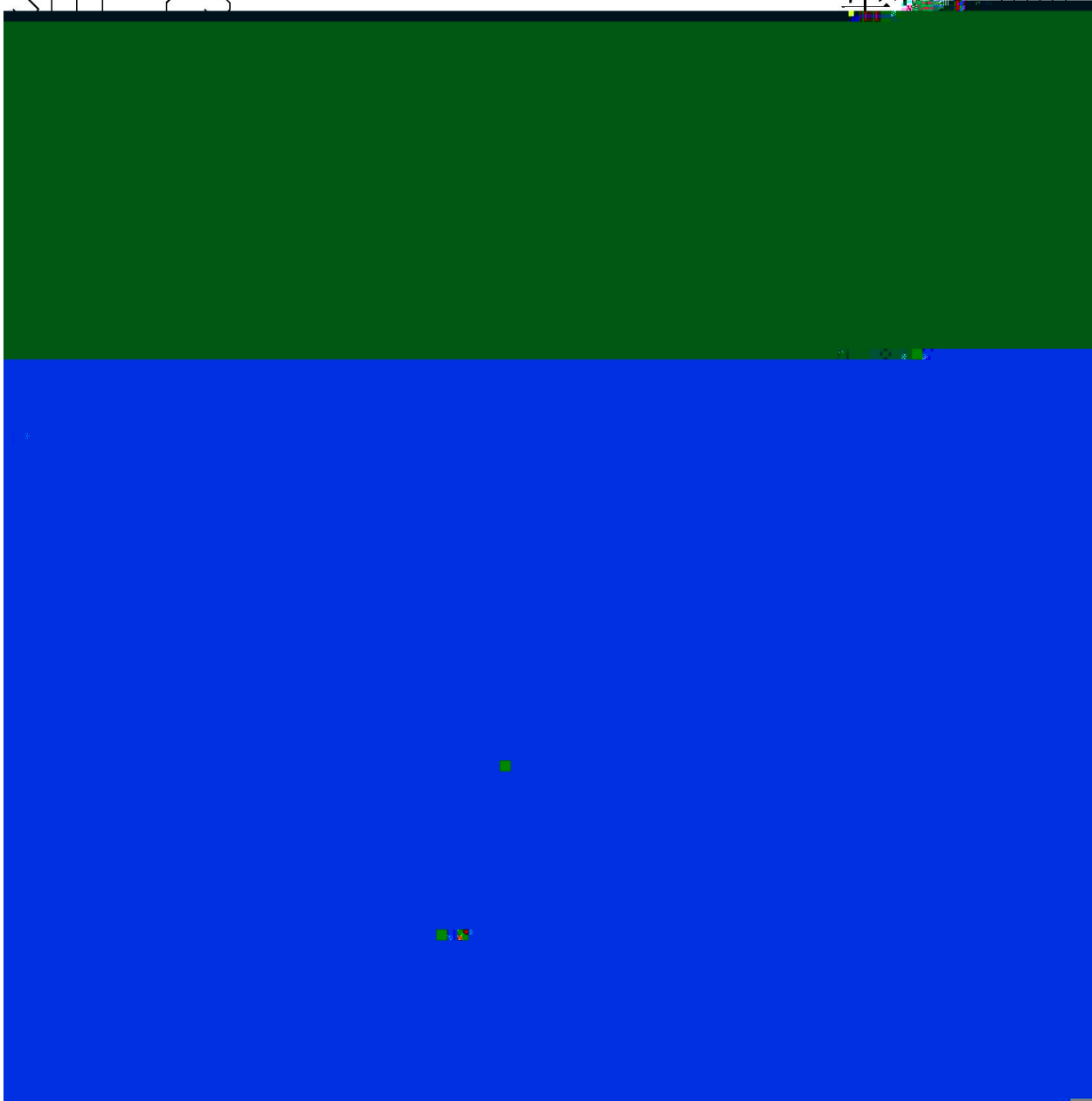
/ Electrical Characteristic Curve



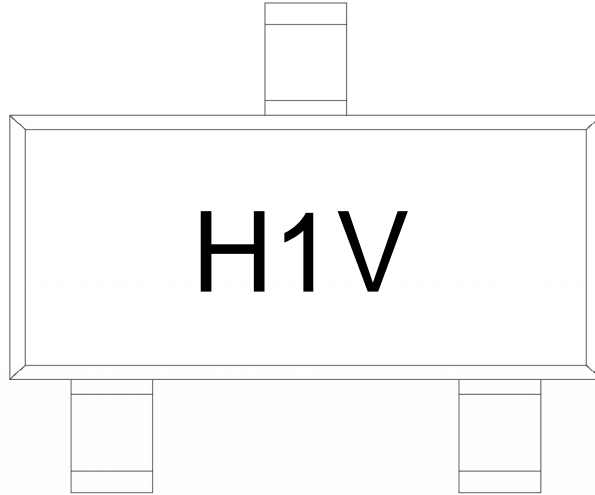
/ Package Dimensions

SOT-23

单位 mm



/ Marking Instructions



H

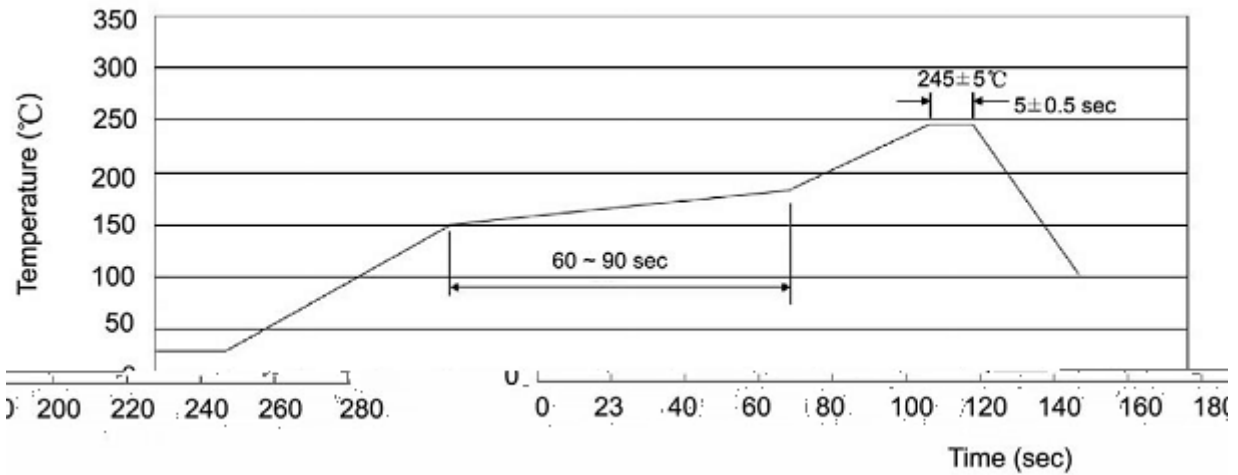
1V

Note:

H: Company Code.

1V: Product Type 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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只卷盘	卷盘盒	只盒	盒箱	只箱		盒	箱
						"		

/ Notices