



版本	修订日期	有修订的页码	修订涉及的内容	拟制	审核
			特征栏增加无卤标示	谢小倩	刘晓荣
			P _C 改为	黄超	刘晓荣

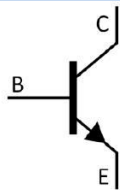
型号加 ，特征及应用增加
汽车产品描述（符合
标准高可靠性要求、满足汽车应
用的严格要求）印章 改为 ，
峰值温度 ，时间持续
为 更新为：峰值温度



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

 BRMMBT5401Q AEC-Q101
High voltage, complementary pair with BRMMBT5401Q, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

General purpose high voltage amplifier, Meet the stringent requirements of automotive applications.

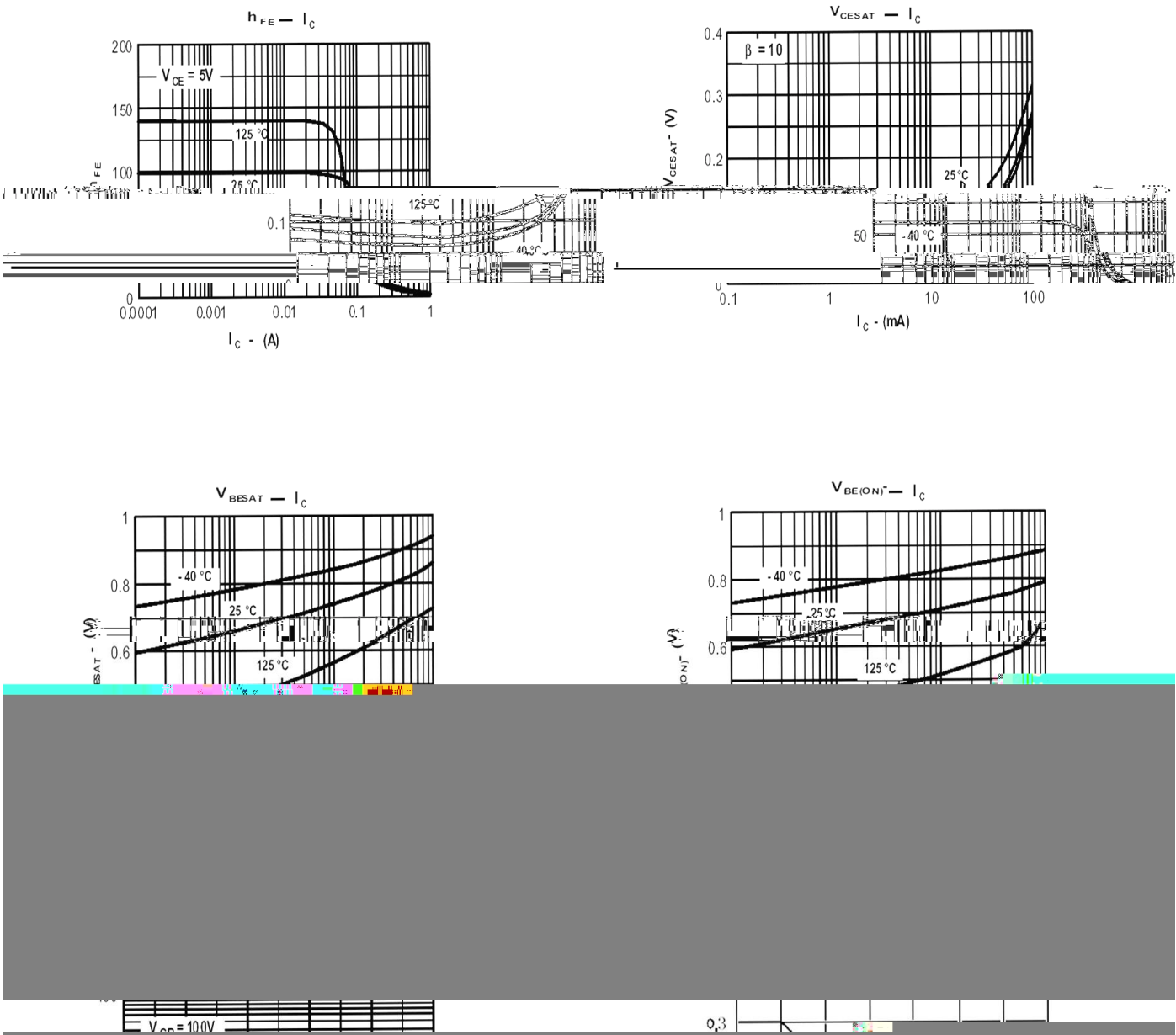


PIN1 Base PIN 2 Emitter PIN 3 Collector

h _{FE} Classifications Symbol	A	B	C
h _{FE} Range	50~150	100~300	200~400
Marking	QG1A	QG1B	QG1C

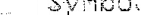


Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	180	V



单位:  



Dimensions In Millimeters		Dimensions In Inches	
Symbol	Maximum	Symbol	Maximum
	0.45		0.018
	0.65		0.026
	0.90		0.035
	1.20		0.047
	0.20		0.008
	0.10		0.004
	0.70		0.028
	2.10		0.083
	0.20 MIN		0.008 MIN
	0.35		0.014
	0.55		0.022



Q

G1

A h_{FE}

Note:

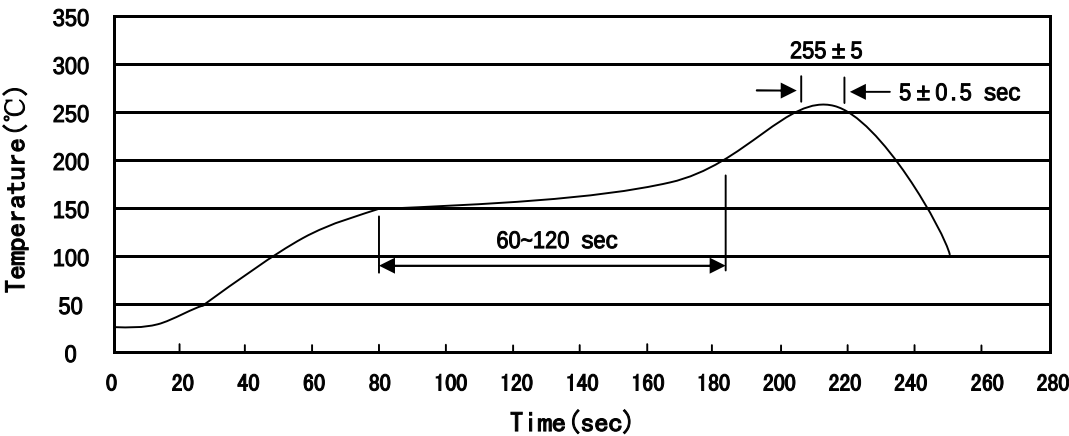
Q: Automobile halogen-free product Code

G1 Product Type Code

A h_{FE} Classifications Symbol Code



Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- 1

150 200

60 120sec;

1.Preheating:150~200°C, Time:60~120sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5°C, Duration:5±0.5sec.
- 3

2 10°C/sec.

3. Cooling Speed: 2~10°C/sec.

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
SOT-23	3,000	10	30,000	6	180,000	7" ×8	180×120×180	390×385×205