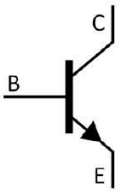
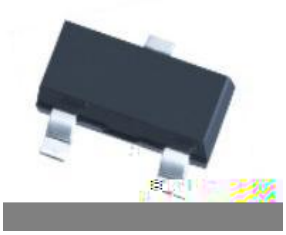

Silicon NPN transistor in a SOT-23 Plastic Package.

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.

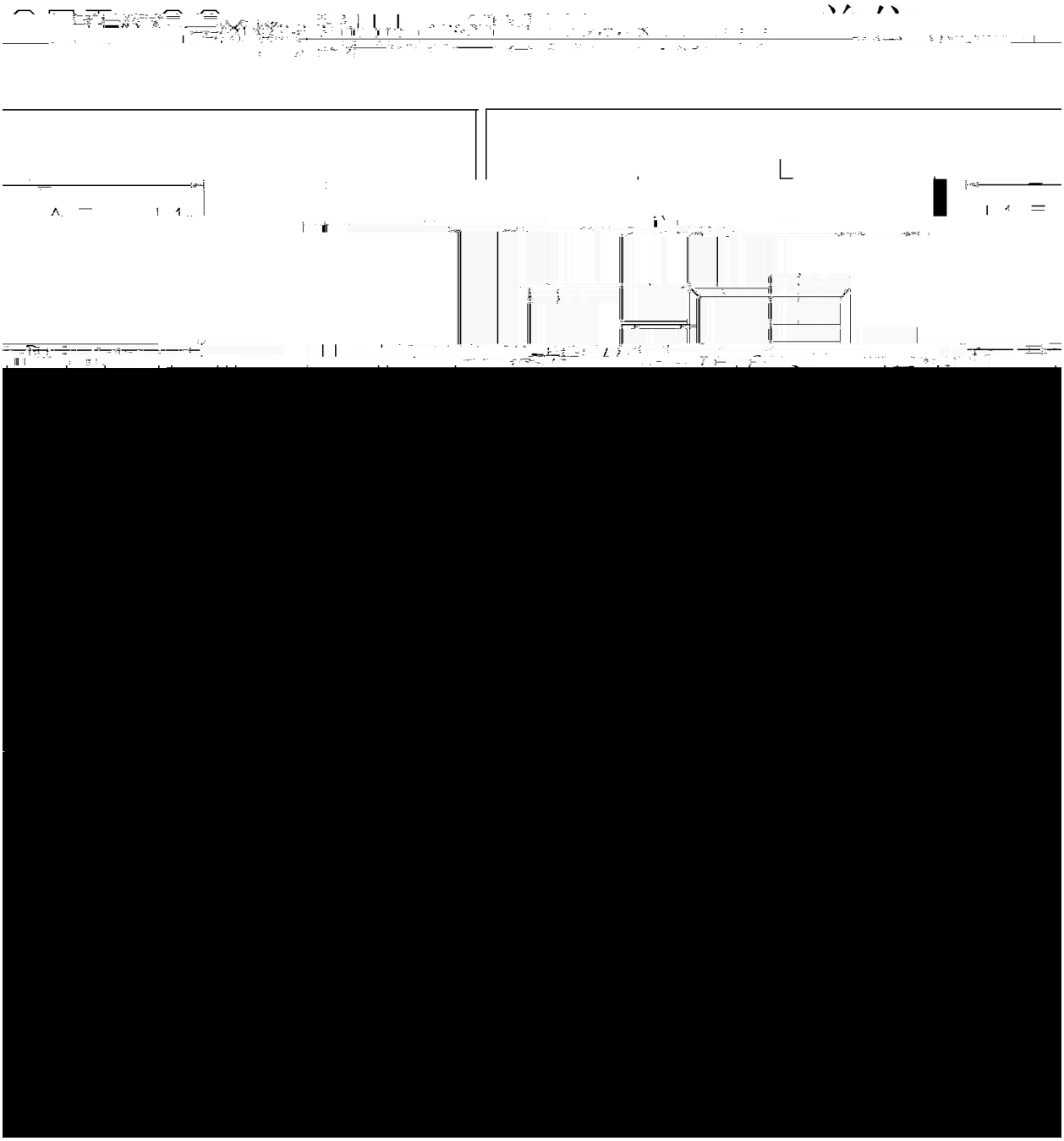


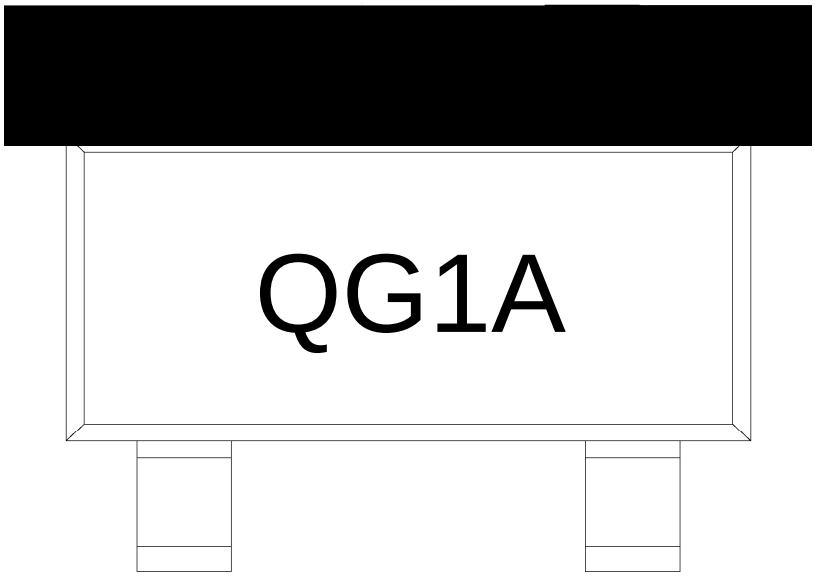


PIN1 Base PIN 2 Emitter PIN 3 Collector

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		





Q

G1

A h_{FE}

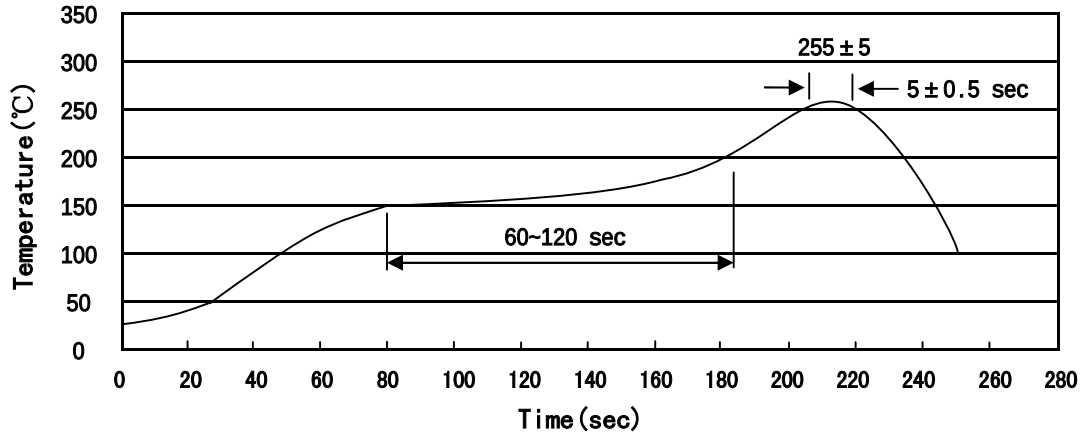
Note:

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℃, Time:60~120sec.
2		255±5		5±0.5sec;	2.Peak Temp.:255±5℃, Duration:5±0.5sec.
3			2	10℃/sec.	3. Cooling Speed: 2~10℃/sec.

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

/ REEL

Package Type !	Units " # $					Dimension " % & (unit ' mm³)		
	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