

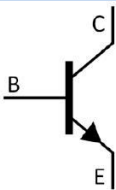
F	2017-4				
G	2020-5-21	1			
H	2021-4-26	2	$P_C = 500\text{mV}$ 300mV		
A	2022-4-23	all	BR/Q AEC-Q101 , H Q 245 ± 5 $5 \pm 0.5\text{sec}$ 255 ± 5 $5 \pm$ 0.5sec		



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.

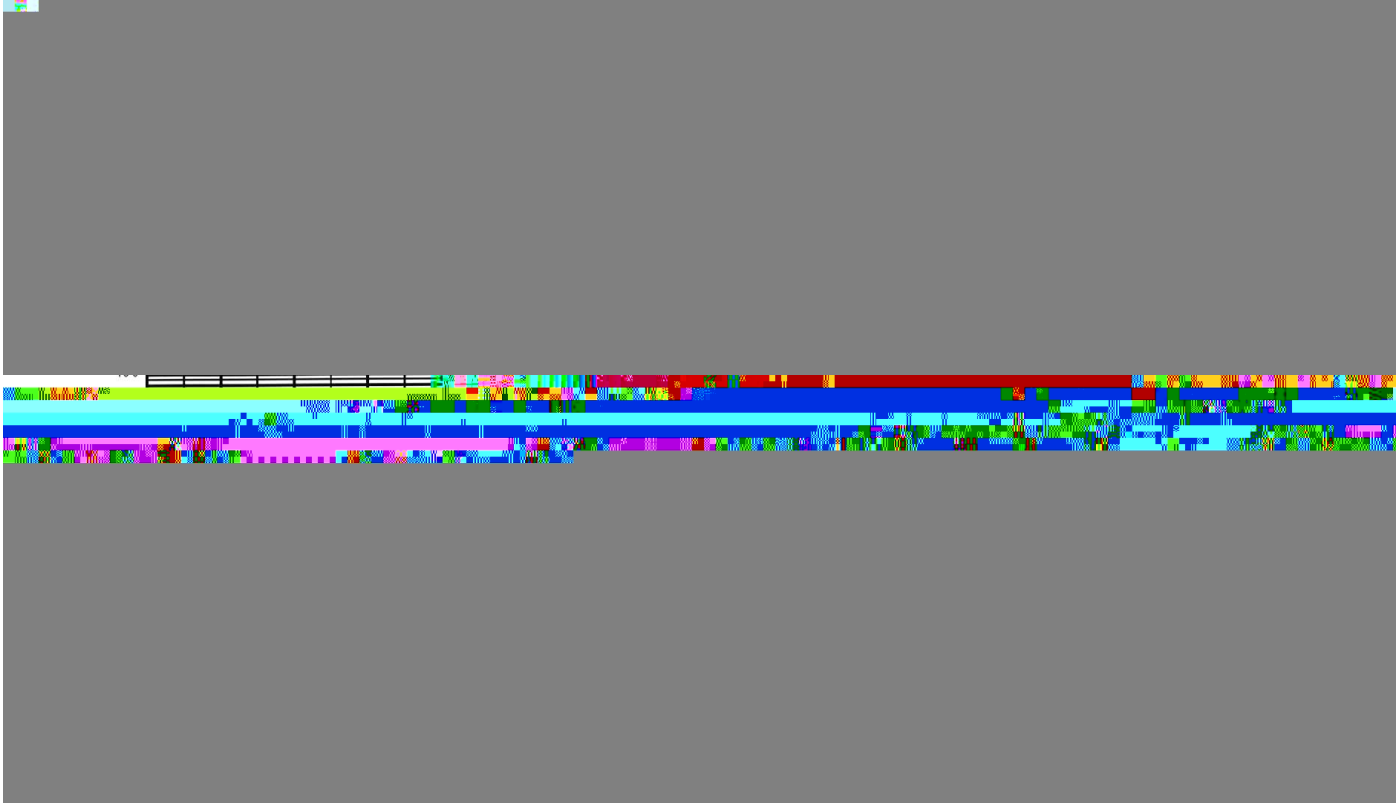
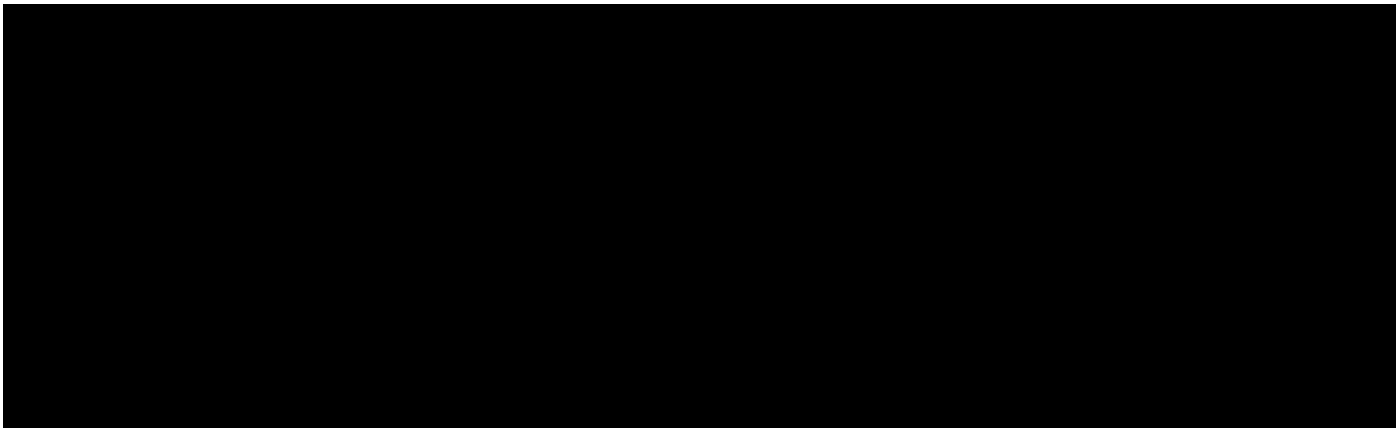


PIN1 Base PIN 2 Emitter PIN 3 Collector

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



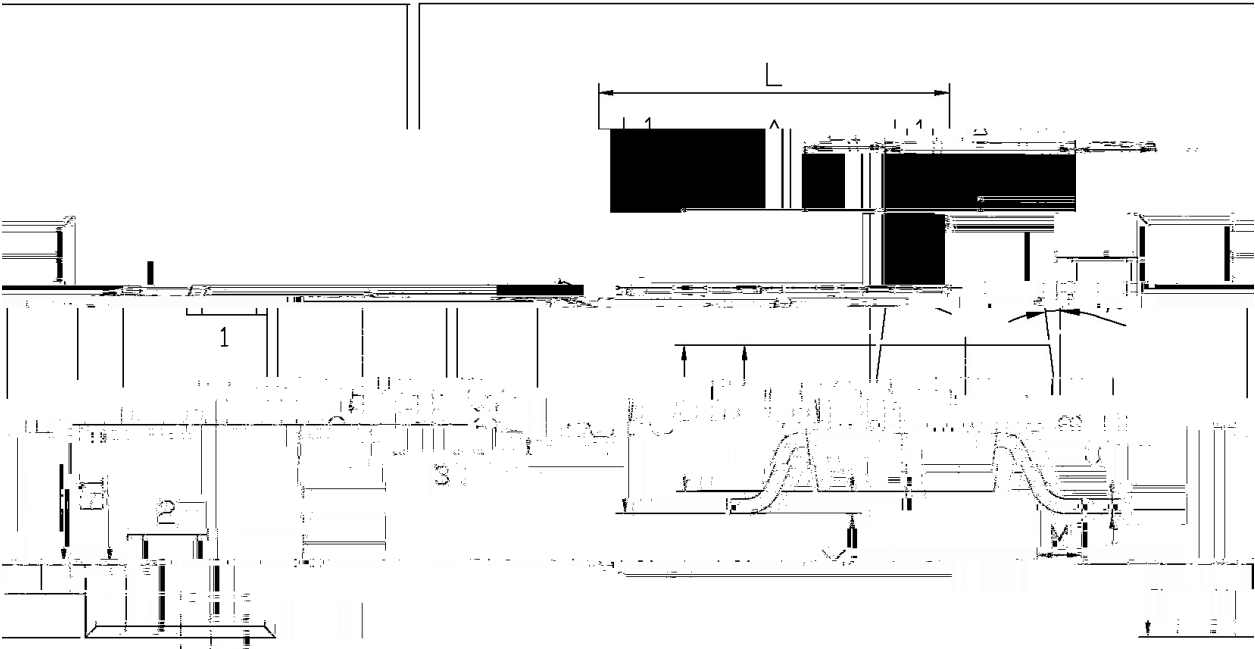
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	180	V



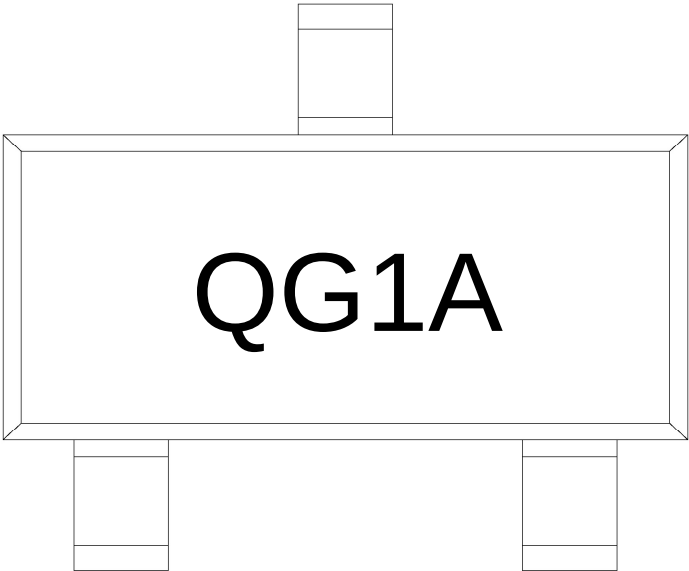


SNT-23

单位: mm



Symbol		Dimensions In Millimeters		Symbol		Dimensions In Millimeters	
		Min	Max			Min	Max
A		0.15	0.30	B		0.05	0.20
C		2.70	3.10	D		0.05	0.10
E		0.70	2.00	F		0.05	0.20
G		0.35	0.65	H		0.05	0.20
I		0.05	0.10	J		0.05	0.20
K		0.05	0.10	L		0.05	0.20
M		0.05	0.20	N		0.05	0.20
O		0.05	0.20	P		0.05	0.20
Q		0.05	0.20	R		0.05	0.20
S		0.05	0.20	T		0.05	0.20
U		0.05	0.20	V		0.05	0.20
W		0.05	0.20	X		0.05	0.20
Y		0.05	0.20	Z		0.05	0.20



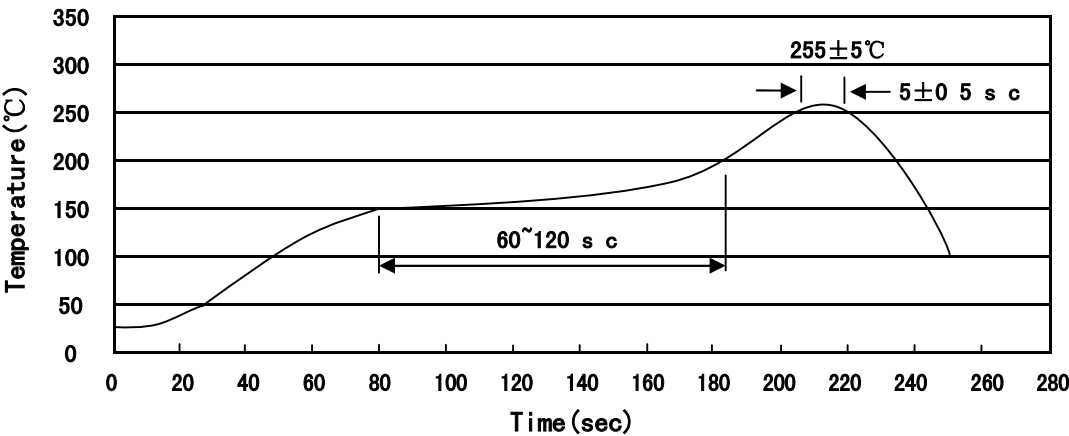
Q	· · · · ·
G1	· · ·
A	· h_{FE} ·

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