

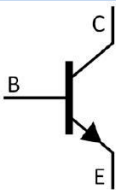
F	2017-4				
G	2020-5-21	1			
H	2021-4-26	2	$P_C = 500\text{mV}$ 300mV		
A	2022-4-23	all	BR/Q AEC-Q101 , H Q 245 ± 5 $5 \pm 0.5\text{sec}$ 255 ± 5 $5 \pm$ 0.5sec		



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.

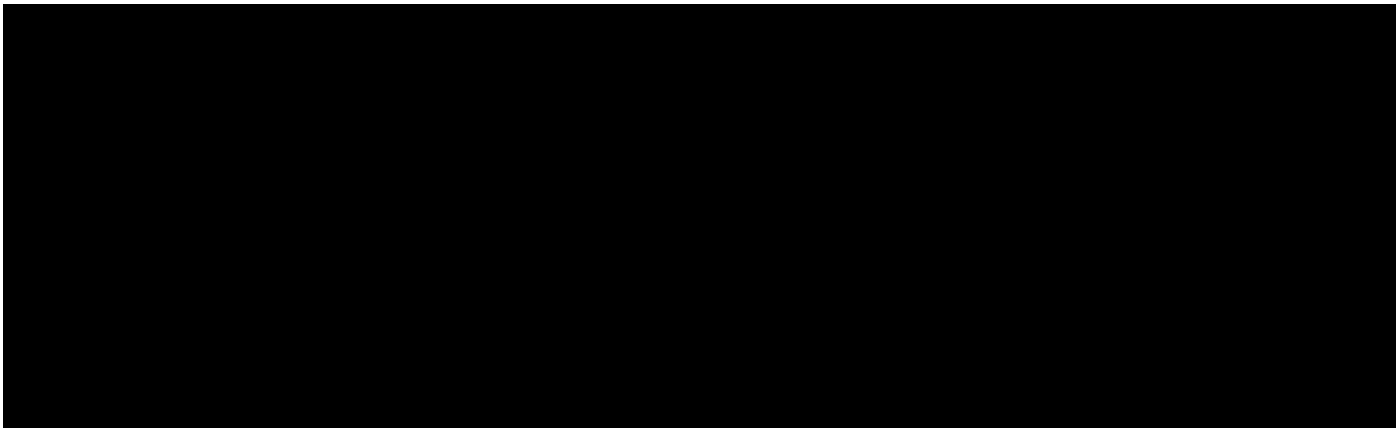


PIN1 Base PIN 2 Emitter PIN 3 Collector

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



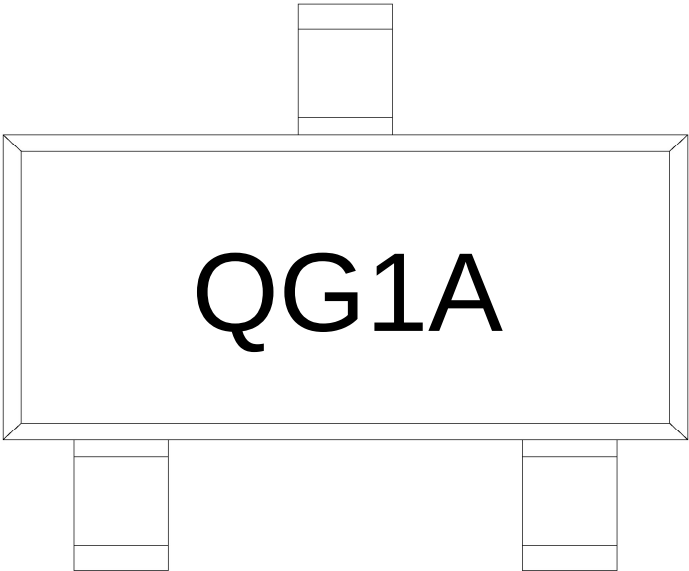
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	180	V



单位: 



Symbol	Dimensions In Millimeters	Symbol	Dimensions In Millimeters
X	Min 0.2 Max 0.7	X	Min 0.2 Max 0.7
A	0.95 0.85 0.60	A	0.95 0.85 0.60
B	2.70 3.10	B	2.70 3.10
C	0.30	C	0.30
D	0.30	D	0.30
E	0.30	E	0.30
F	0.30	F	0.30
G	0.30	G	0.30
H	0.30	H	0.30
I	0.30	I	0.30
J	0.30	J	0.30
K	0.30	K	0.30
L	0.30	L	0.30
M	0.30	M	0.30
N	0.30	N	0.30
O	0.30	O	0.30
P	0.30	P	0.30
Q	0.30	Q	0.30
R	0.30	R	0.30
S	0.30	S	0.30
T	0.30	T	0.30
U	0.30	U	0.30
V	0.30	V	0.30
W	0.30	W	0.30
X	0.30	X	0.30
Y	0.30	Y	0.30
Z	0.30	Z	0.30



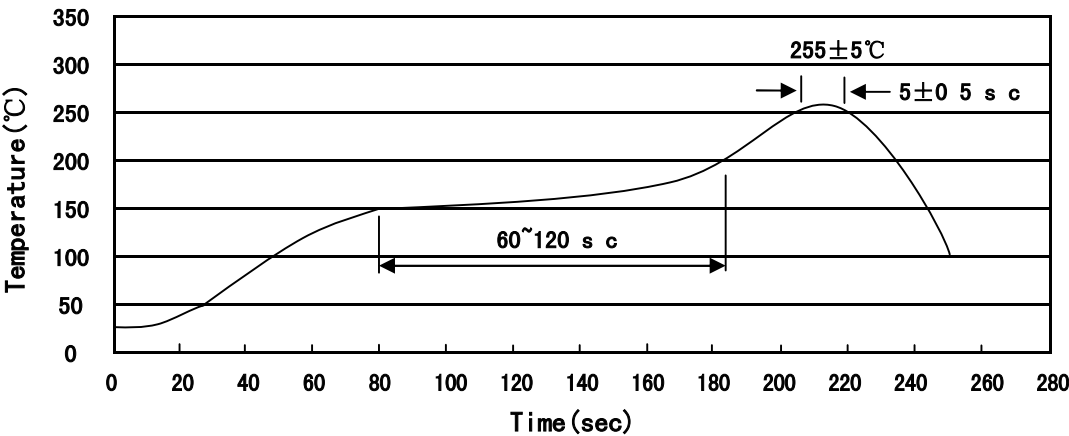
Q	· · · · ·
G1	· · ·
A	· h _{FE} · ·

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