

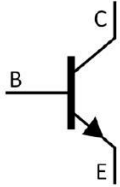




SOT-23          NPN          Silicon NPN transistor in a SOT-23 Plastic Package.

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.



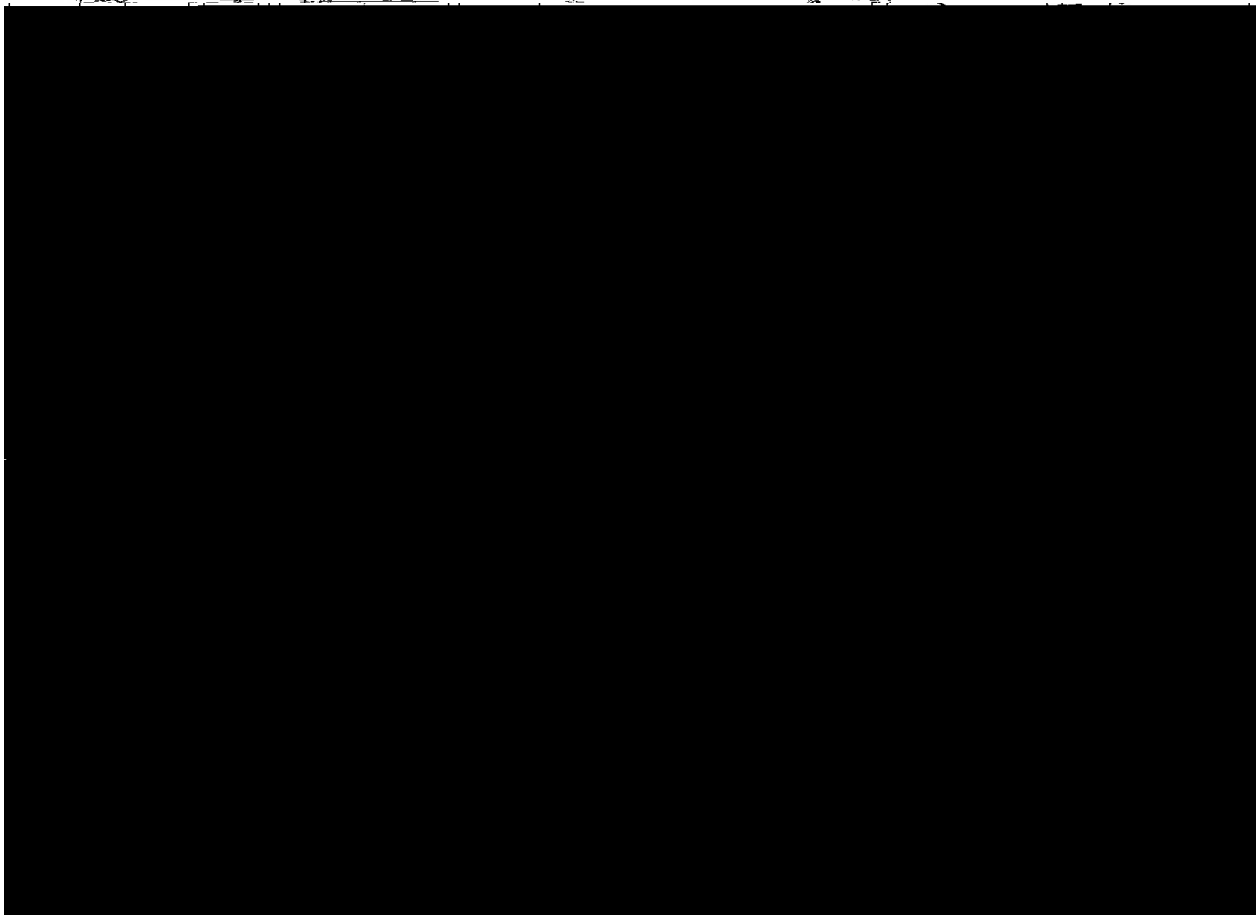
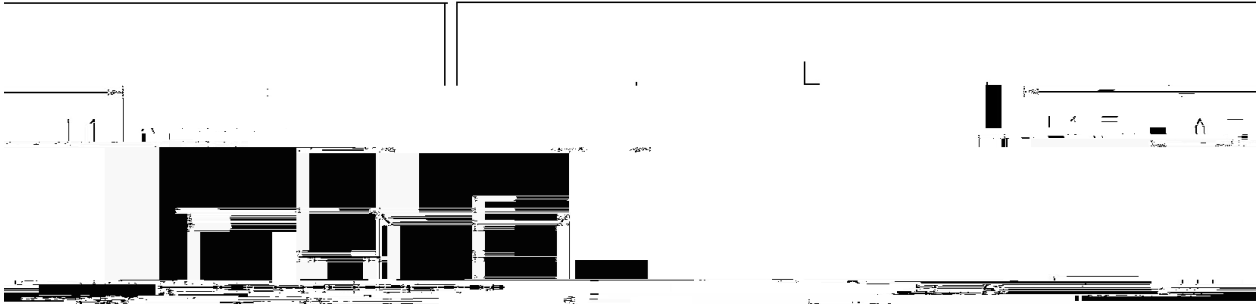
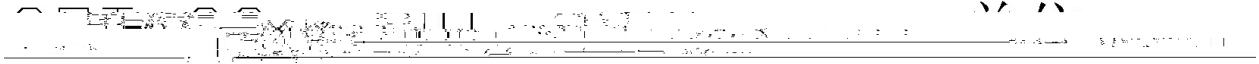
PIN1 Base          PIN 2 Emitter          PIN 3 Collector

$h_{FE}$ 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		







Q

G1

A             $h_{FE}$

Note:

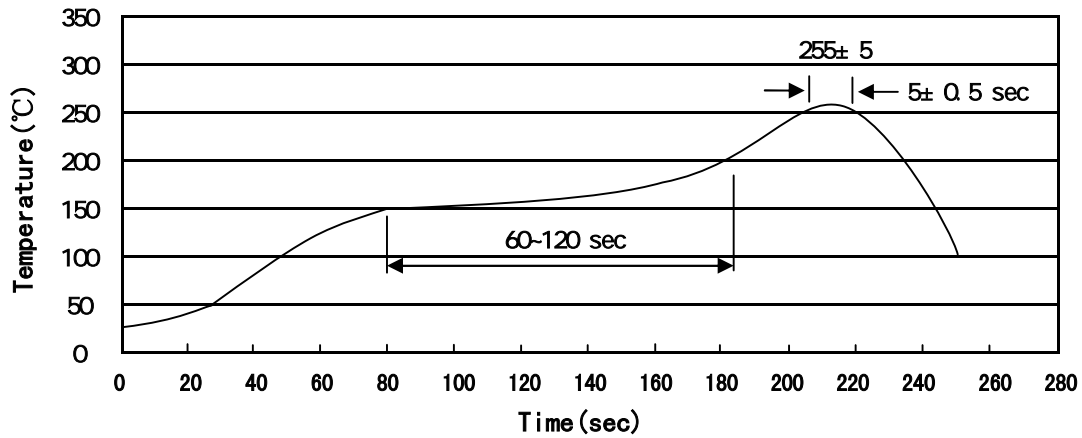
Q:            Automobile halogen-free product Code

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

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	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