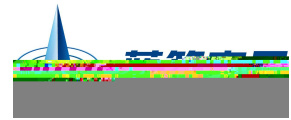


/ Revised record

G	2018-8				
H	2020-5-26	1			
A	2021-12-23	all	BR Q AEC-Q101 , H Q 245±5°C 5 ±0.5sec 255± 5°C 5±0.5sec		

BRMMBT2222AQ

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DATA SHEET

/ Descriptions

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

/ Features

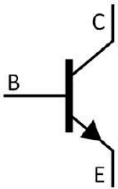
600mA AEC-Q101

Collector currents up to 600 mA, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

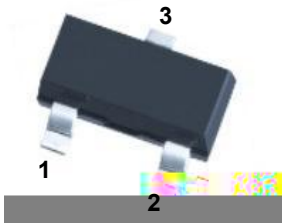
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN 1 Base PIN 2 Emitter PIN 3 Collector

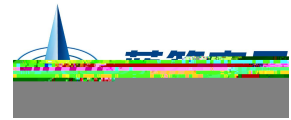
/ h_{FE} Classifications & Marking

h_{FE} Range	100~300
Marking	Q1P

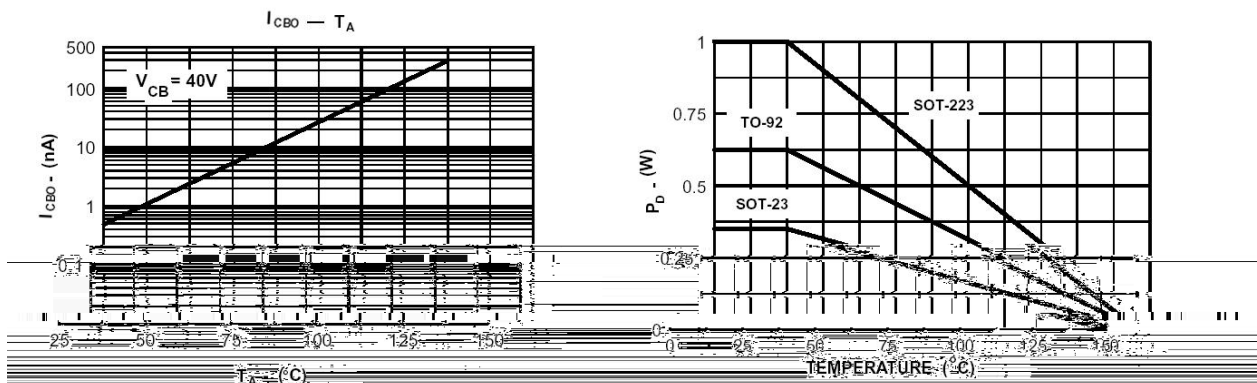
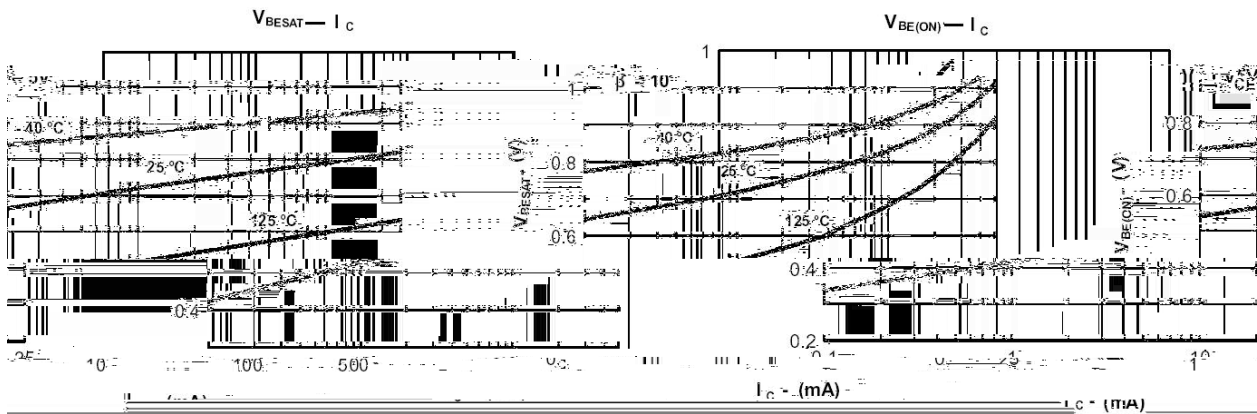
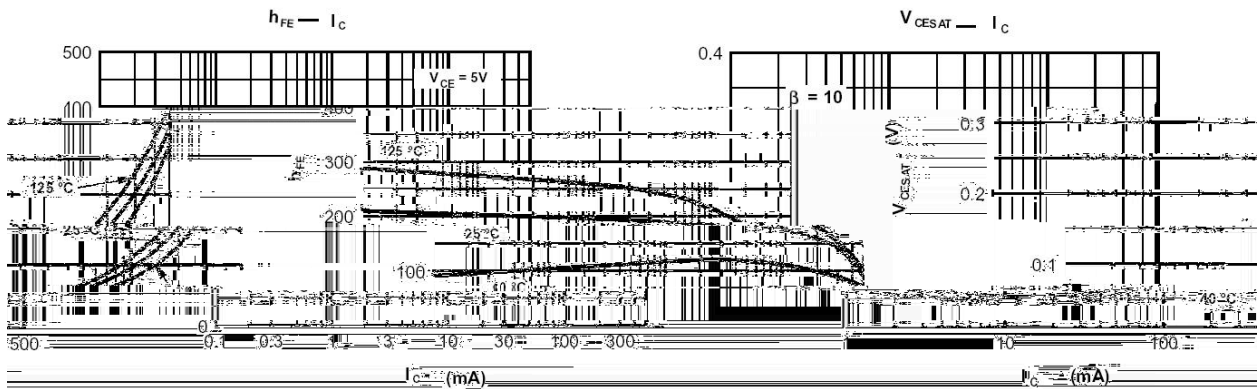
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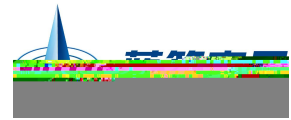
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DATA SHEET



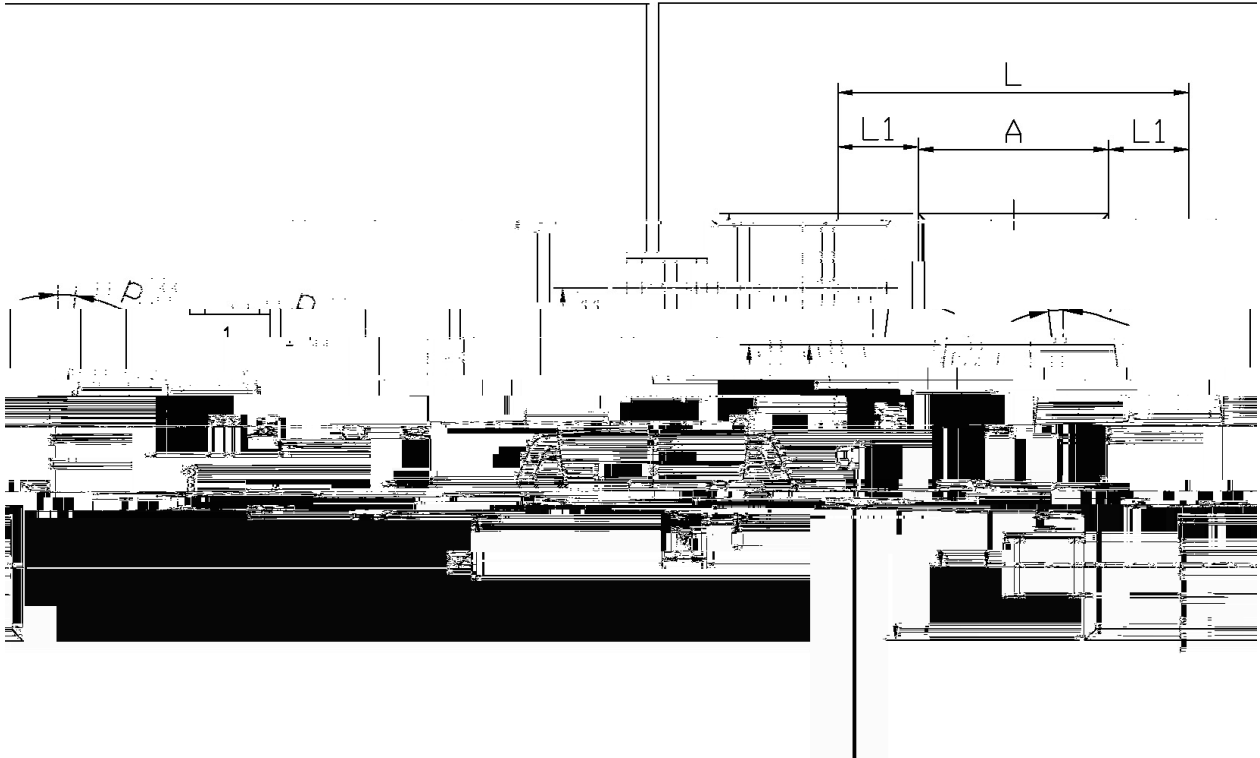
/ Electrical Characteristic Curve





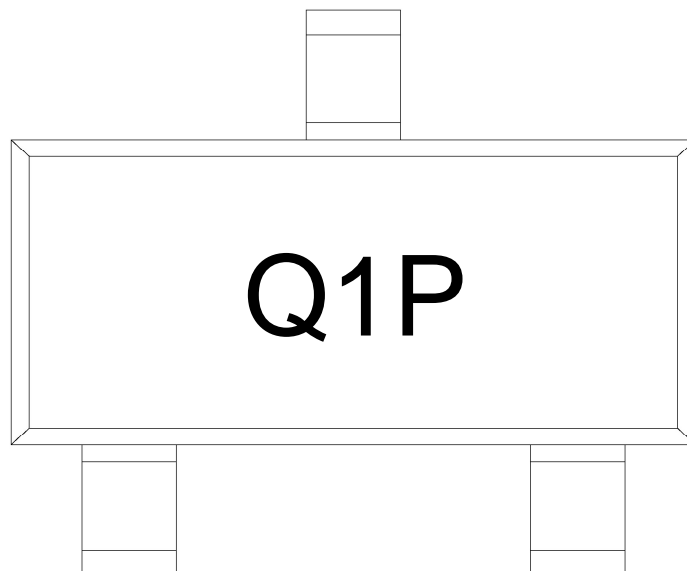
/ Package Dimensions

SOFT COPY OF THE ORIGINAL DOCUMENT. THE ORIGINAL DOCUMENT IS THE ONLY VALID ONE.



Symbol	Dimensions	Min	Max	Symbol	Dimensions	Min	Max
A	Width	0.45	0.65	C1	Lead length	0.20	0.30
B	Lead width	0.20	0.30	C2	Lead length	0.20	0.30
D	Package height	0.85	1.05	C3	Lead length	0.20	0.30
E	Lead length	0.85	1.05	C4	Lead length	0.20	0.30
F	Lead length	0.85	1.05	C5	Lead length	0.20	0.30
G	Lead length	0.85	1.05	C6	Lead length	0.20	0.30
H	Lead length	0.85	1.05	C7	Lead length	0.20	0.30
I	Lead length	0.85	1.05	C8	Lead length	0.20	0.30
J	Lead length	0.85	1.05	C9	Lead length	0.20	0.30
K	Lead length	0.85	1.05	C10	Lead length	0.20	0.30
L	Lead length	0.85	1.05	C11	Lead length	0.20	0.30
M	Lead length	0.85	1.05	C12	Lead length	0.20	0.30
N	Lead length	0.85	1.05	C13	Lead length	0.20	0.30
O	Lead length	0.85	1.05	C14	Lead length	0.20	0.30
P	Lead length	0.85	1.05	C15	Lead length	0.20	0.30
Q	Lead length	0.85	1.05	C16	Lead length	0.20	0.30
R	Lead length	0.85	1.05	C17	Lead length	0.20	0.30
S	Lead length	0.85	1.05	C18	Lead length	0.20	0.30
T	Lead length	0.85	1.05	C19	Lead length	0.20	0.30
U	Lead length	0.85	1.05	C20	Lead length	0.20	0.30
V	Lead length	0.85	1.05	C21	Lead length	0.20	0.30
W	Lead length	0.85	1.05	C22	Lead length	0.20	0.30
X	Lead length	0.85	1.05	C23	Lead length	0.20	0.30
Y	Lead length	0.85	1.05	C24	Lead length	0.20	0.30
Z	Lead length	0.85	1.05	C25	Lead length	0.20	0.30

/ Marking Instructions



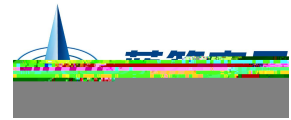
Q

1P

Note:

Q: Automobile halogen-free product Code

1P Product Type Code



() / Temperature Profile for IR Reflow Soldering(Pb-Free)

说明：

- 1、预热温度 150~200℃，时间 60~120sec;
- 2、峰值温度 255±5℃，时间持续为 5±0.5sec;
- 3、焊接制程冷却速度为 2~10℃/sec.

Note:

- 1.Preheating:150~200℃, Time:60~120sec.
- 2.Peak Temp.:255±5℃, Duration:5±0.5sec.
- 3. Cooling Speed: 2~10℃/sec.

/ Resistance to Soldering Heat Test Conditions

温度：260±5℃

时间：10±1 sec.

Temp.:260±5℃

Time:10±1 sec

/ Packaging SPEC.

卷盘包装 / REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (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 盒	Outer Box 箱