



/ 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		



/ Descriptions

SOT-23

NPN

Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

600mA

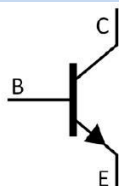
AEC-Q101

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

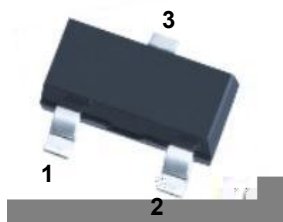
/ Applications

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

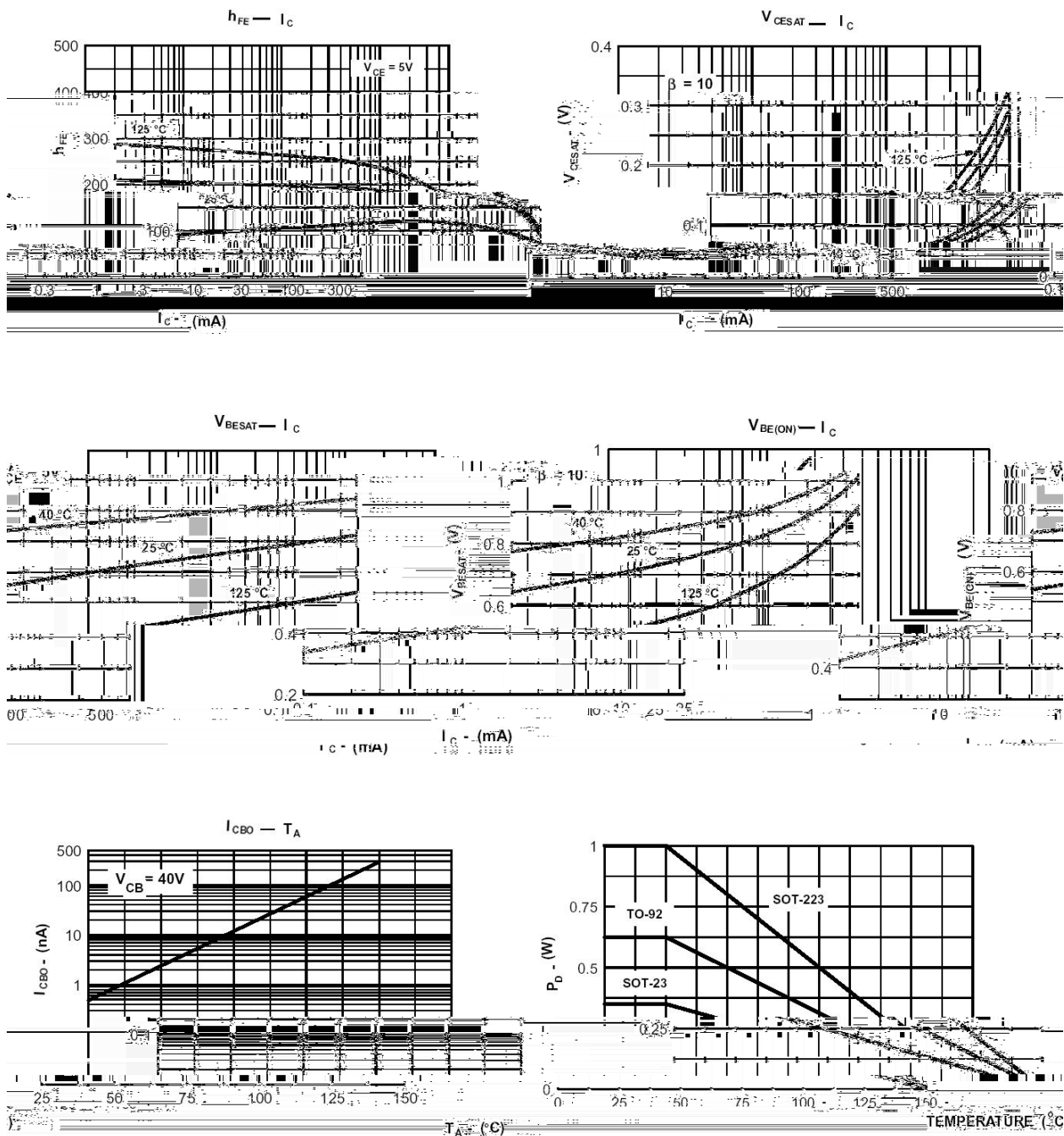
BRMMBT2222AQ

Rev.A Dec.-2021

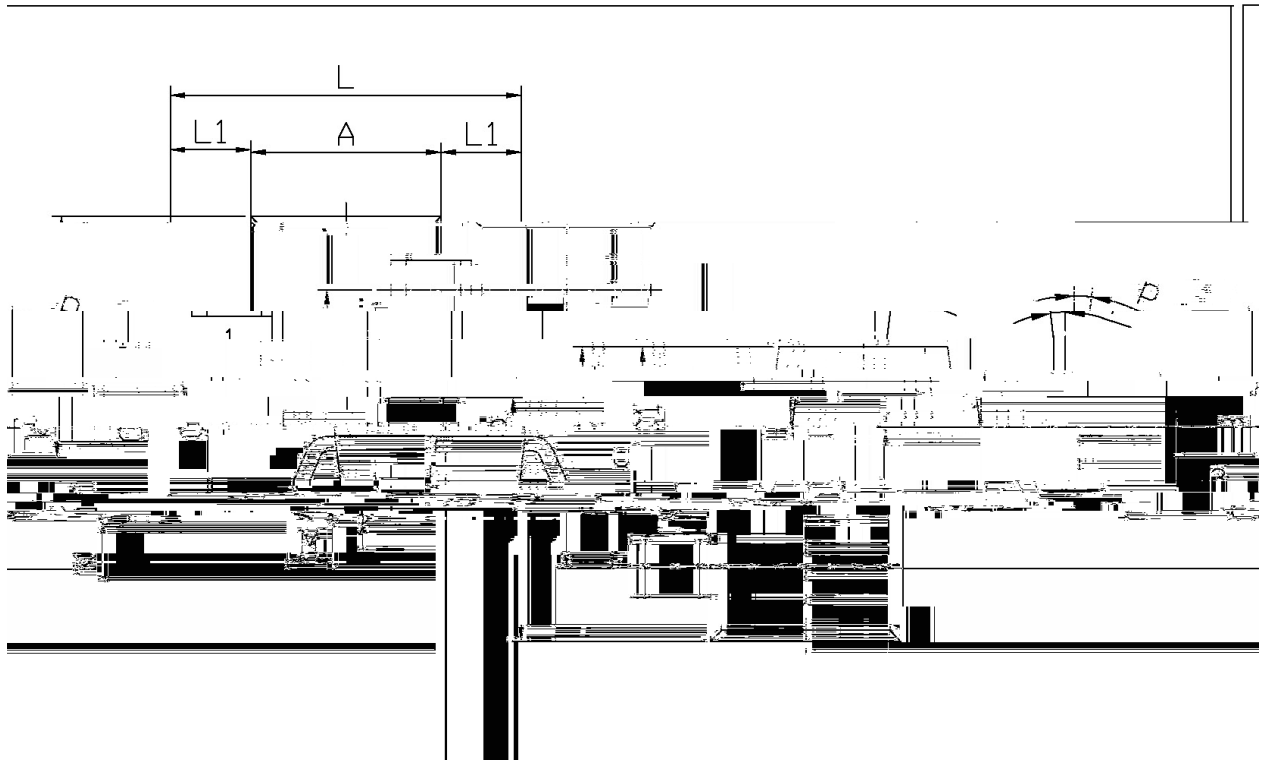
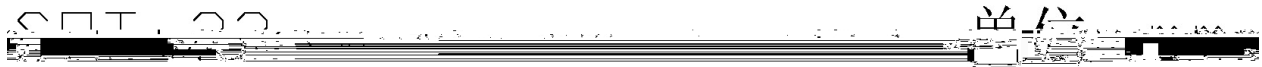
DATA SHEET



/ Electrical Characteristic Curve

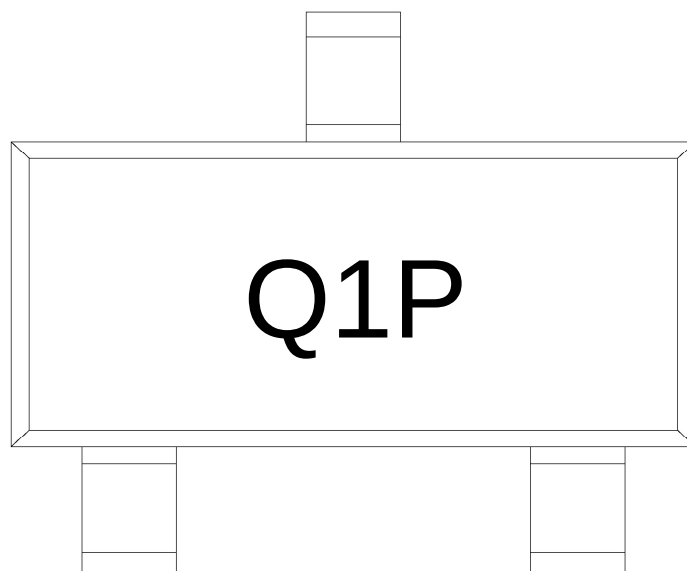


/ Package Dimensions



Symbol	Dimensions in millimeters		Symbol	Dimensions in millimeters	
	Min	Max		Min	Max
	0.50	0.53		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35
	0.30	0.35		0.30	0.35
	0.05	0.08		0.30	0.35

/ Marking Instructions



Q

1P

Note:

Q: Automobile halogen-free product Code

1P Product Type Code



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

Note:

- | | |
|----------------------|---|
| 200℃，时间 60 ~ 120sec; | 1.Preheating:150~200℃, Time:60~120sec. |
| ℃，时间持续为 5±0.5sec; | 2.Peak Temp.:255±5℃, Duration:5±0.5sec. |
| 度为 2 ~ 10℃/sec. | 3. Cooling Speed: 2~10℃/sec. |

Resistance to Soldering Heat Test Conditions

时间：10±1 sec.

Temp.:260±5℃

Time:10±1 sec

ging SPEC.

Units 包装数量				Dimension 包装尺寸 (unit: mm ³)		
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