



/ 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

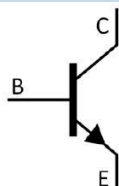
AEC-Q101

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

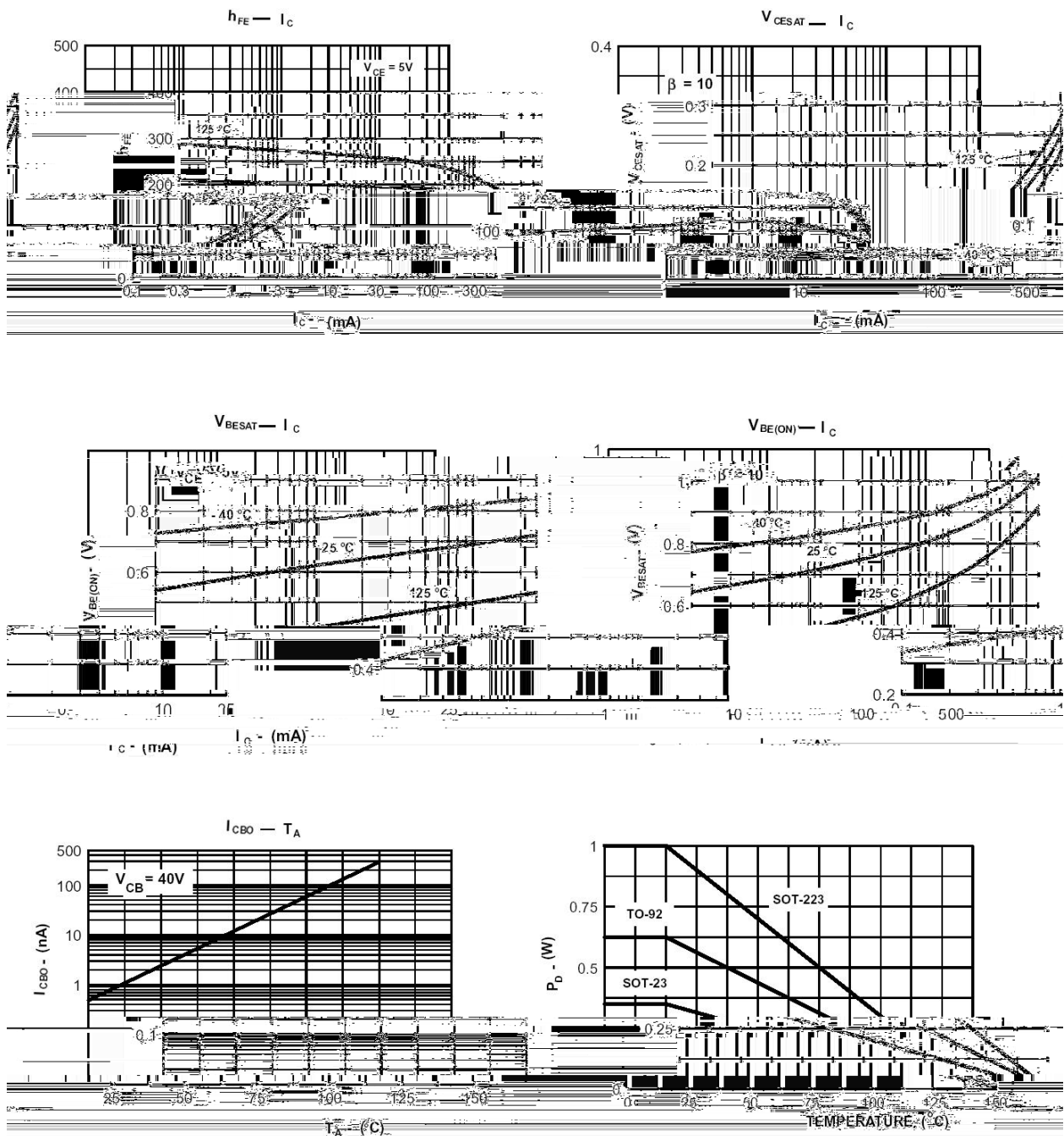
h_{FE} Range	100~300
Marking	Q1P

BRMMBT2222AQ

Rev.A Dec.-2021

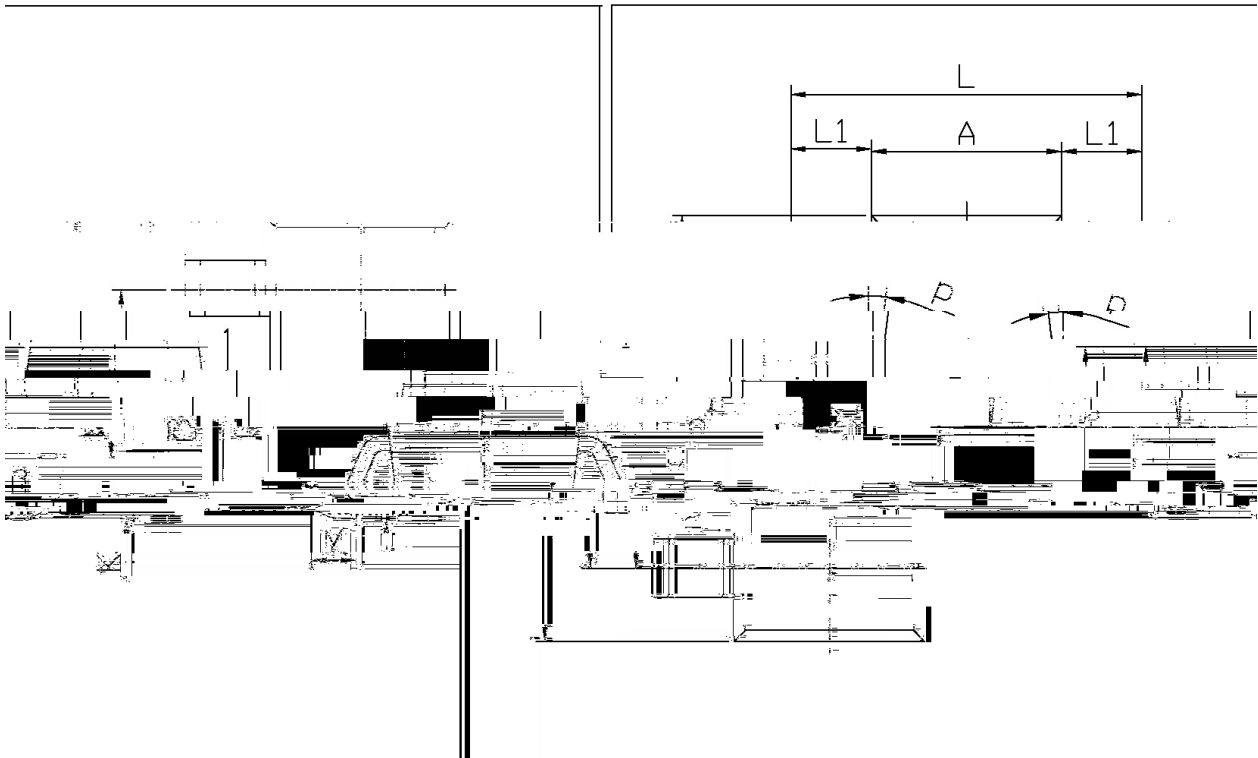
DATA SHEET

/ Electrical Characteristic Curve



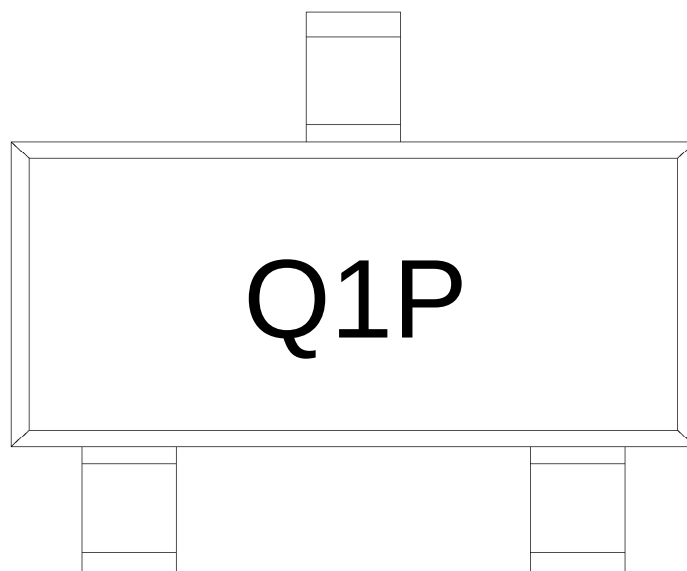
/ Package Dimensions

OUTLINE DIMENSIONS



Symbol		Min		Max		Symbol		Min		Max	
		0.45		0.55				0.45		0.55	
A		0.55		0.55		B		2.70		3.40	
E		1.70		1.70		E1		0.85		1.05	
b		0.35		0.55							

/ Marking Instructions



Q

1P

Note:

Q: Automobile halogen-free product Code

1P Product Type Code



() /

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)
----------------------	------------	---