

BRMMBTA42Q

Rev.A Dec.-2021



DATA SHEET

/ Descriptions

SOT-23 ^ _ _ ` NPN a b c d e f] Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

g h B ,i j h k l ,m n e o p n Ž l ,q BRMMBTA92Q r s - ? @ AEC-Q101 + A B C D E F G -) * / O]

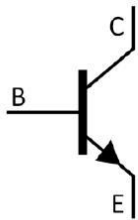
High voltage, Low saturation voltage, low collector capacitance output, complementary pair with BRMMBTA92Q, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

B n h t ! n u - I J : ; 8 9 I K L F G]

High voltage control circuit, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN1\ Base PIN 2\ Emitter PIN 3\ Collector

/ Marking

h_{FE} Range	>40
Marking	Q1D

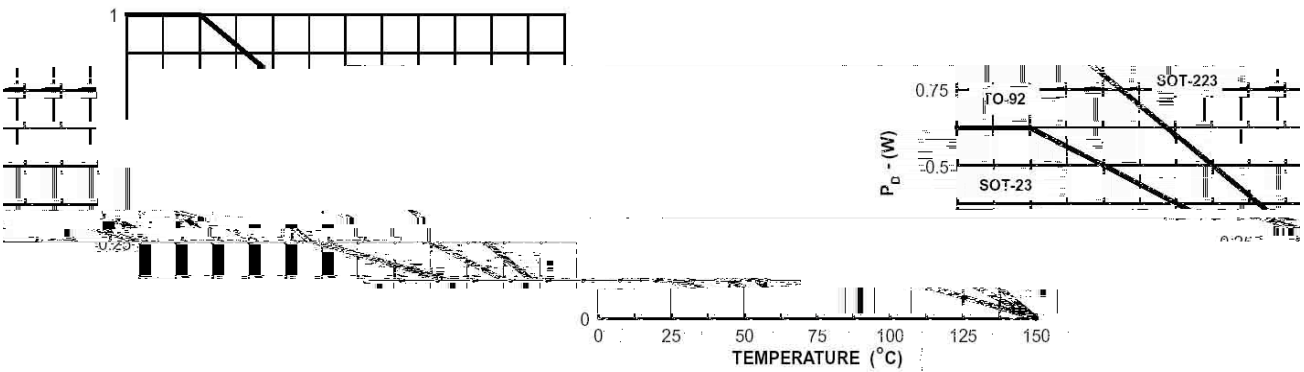
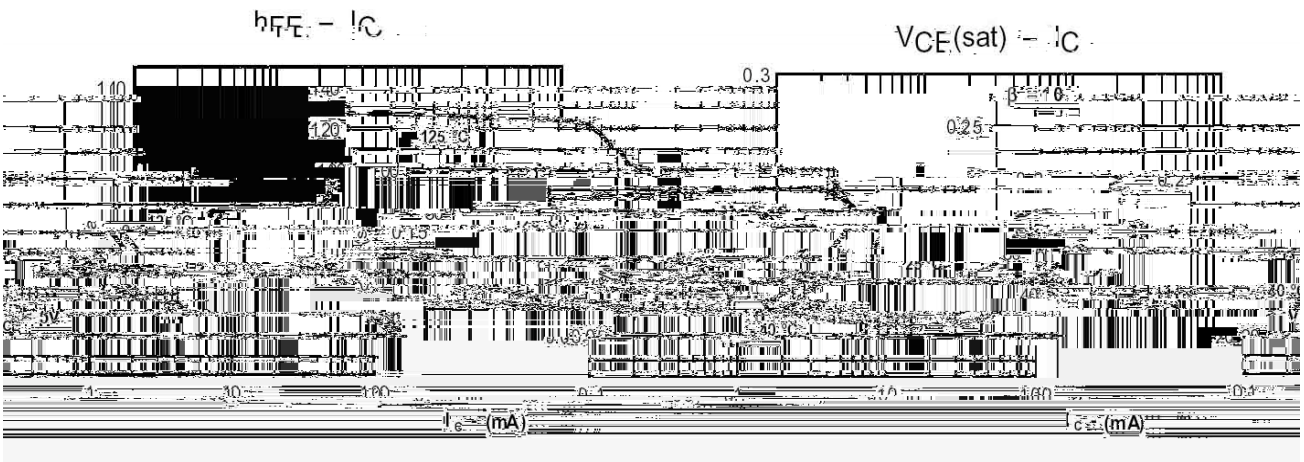
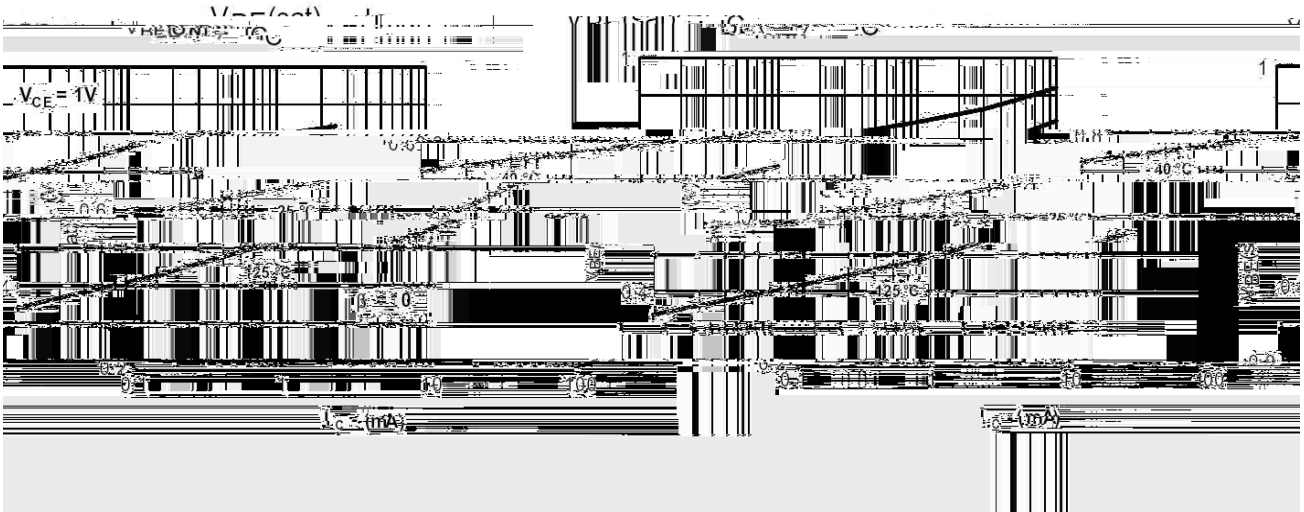
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Parameter	Symbol	WS Rating	x y Unit
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/ Electrical Characteristic Curve

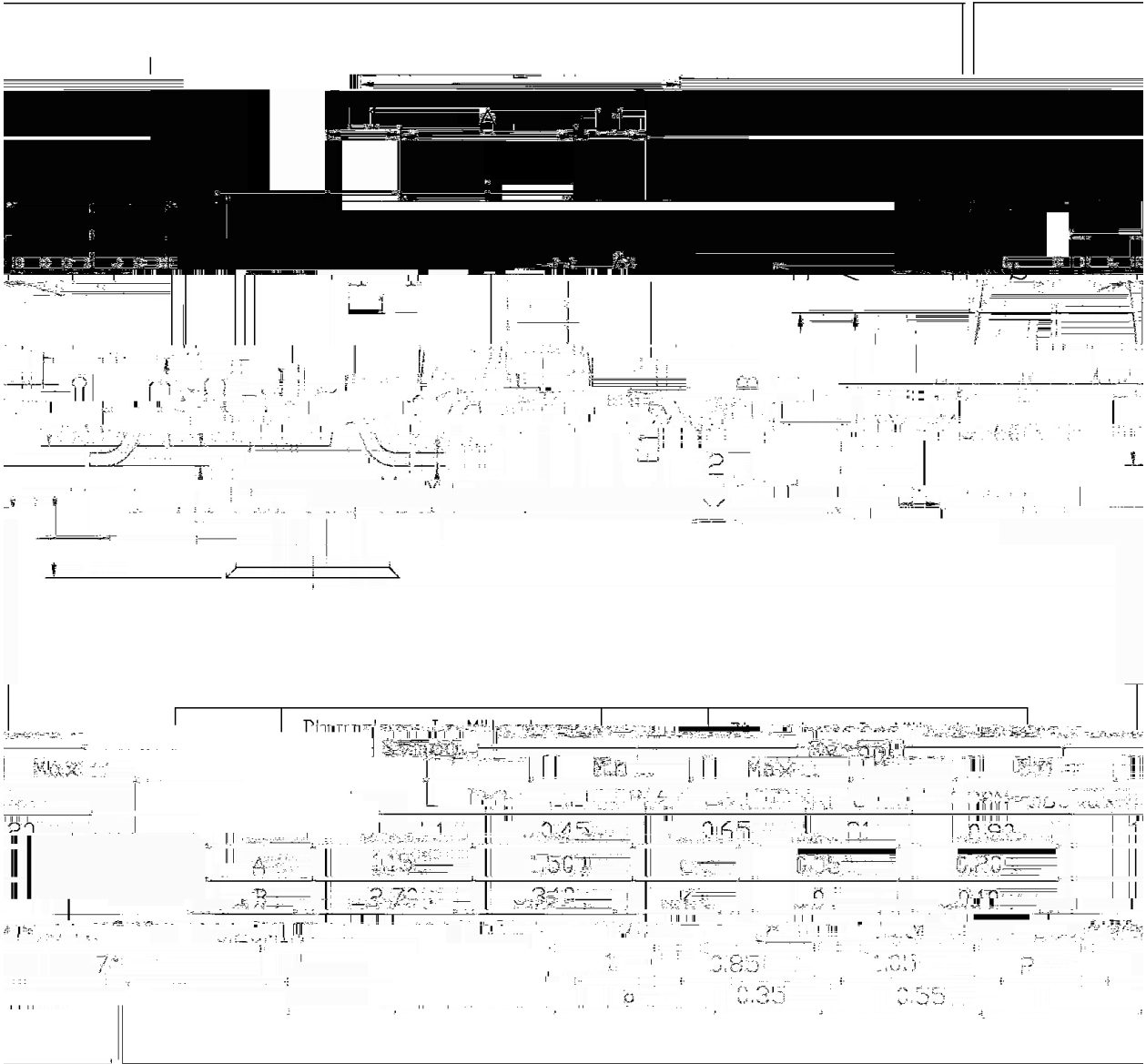




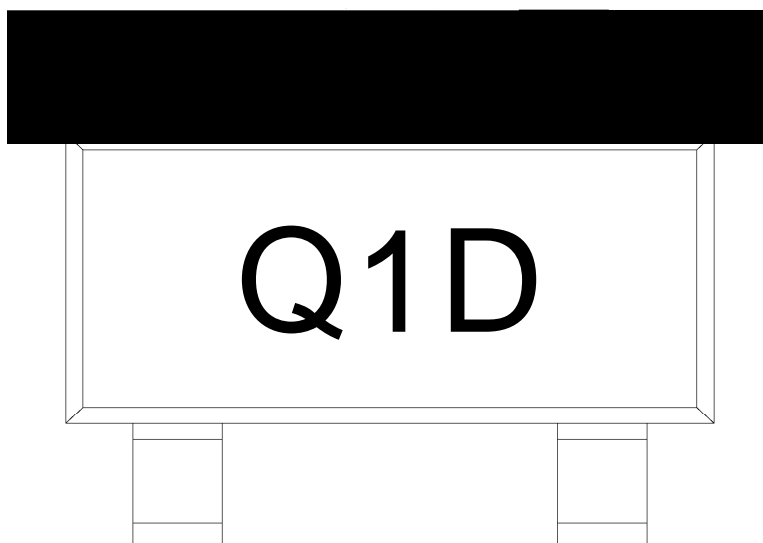
/ Package Dimensions



单位



/ Marking Instructions



- — \

Q\ Q: ;) * / 0 + ,

1D\ Q 6 7 ~ fi

Note:

Q: Automobile halogen-free product Code

1D: Product Type Code.



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Note:

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|---|---------|------------|--|
| 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. |

/ Resistance to Soldering Heat Test Conditions

260±5°C	10±1 sec.	Temp.:260±5°C	Time:10±1 sec
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/ PackagR