

/ Descriptions

SOT-23 3-PIN N-CHANNEL MOSFET
N-CHANNEL MOSFET in a SOT-23 Plastic Package.

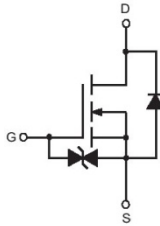
/ Features

High gate trigger current and Low Holding current.ESD protected up to 2KV, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

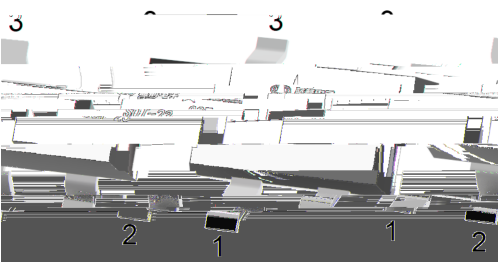
/ Applications

Intended for use in general purpose switching and phase control applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 S PIN 3 D

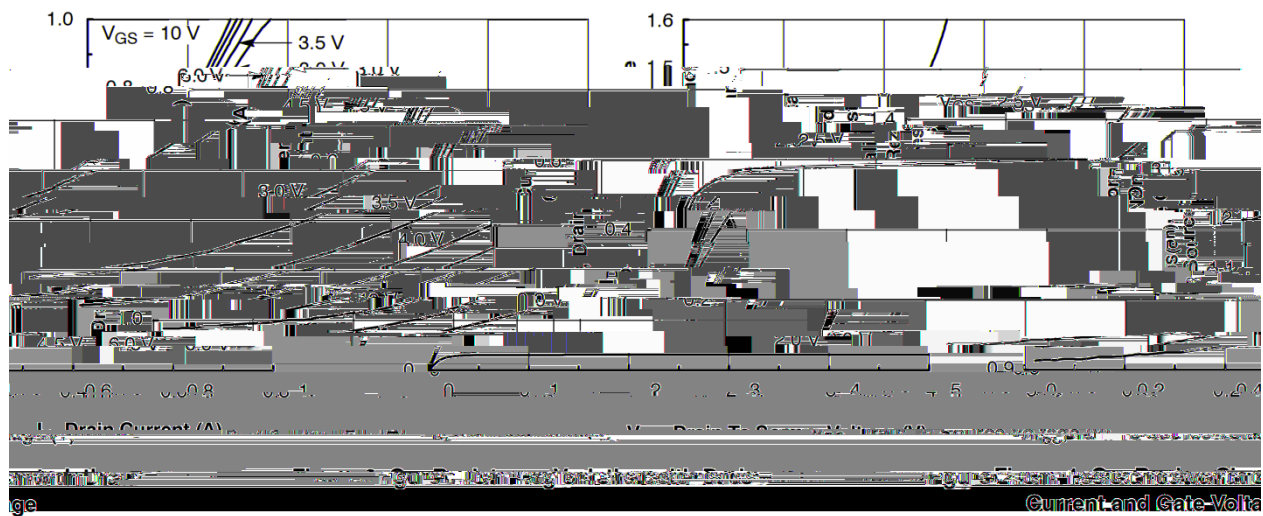
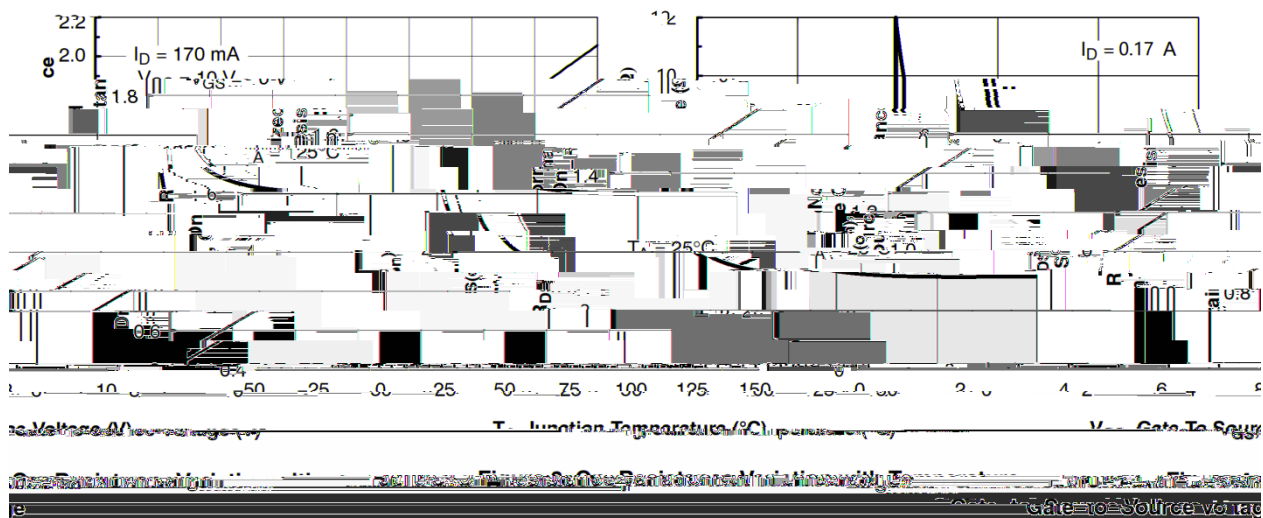
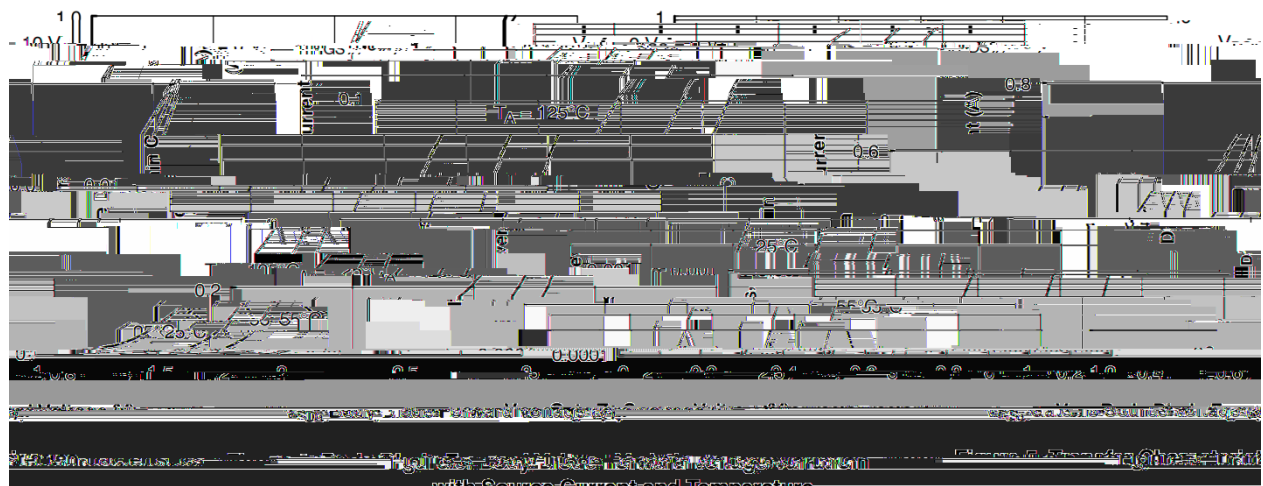
/ Marking

Marking	QSA
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BRBSS123K2Q

Rev.A Dec.-2023

/ Electrical Characteristic Curve



BRBSS123K2Q

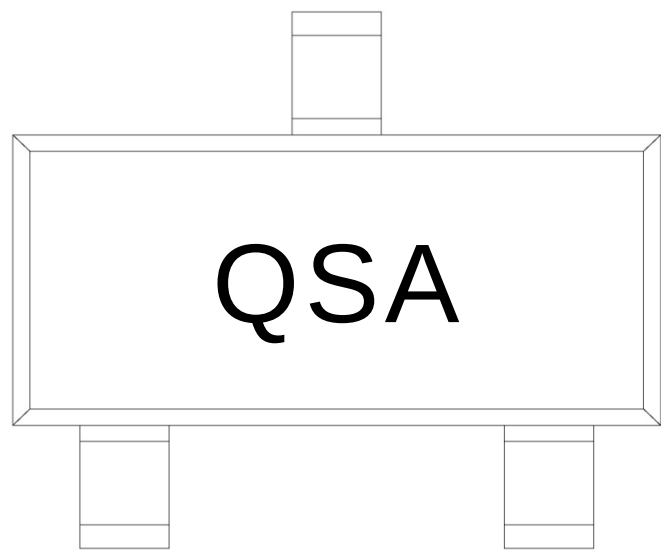
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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

/ Marking Instructions



- QSA
- Q

SA
- Note:
- Q:

SA:
- Automobile halogen-free product Code
- Product Type Code

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

б " χ

Note:

1 ǀ ǂ □ ŷ 150 º 200 † ǀ `H ǂ 60 º 120sec;

1.Preheating:150~200 † , Time:60~120sec.

2 Š Œ □ ŷ 255 ° 5 † ǀ `H ǂ `Y ǂ 5 ° 0.5sec;

2.Peak Temp.:255 ° 5 † , Duration:5 ° 0.5sec.

3 ǀ ` ǂ , ǂ ǂ ŷ 2 º 10 † /sec.

3.Cooling Speed: 2~10 † /sec.

/ Resistance to Soldering Heat Test Conditions

□ ŷ χ 260 ° 5 †

`H ǂ χ 10 ° 1 sec.

Temp.:260±5

Time:10±1 sec

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