

/ Descriptions

SOT-23 N MOS
N-CHANNEL MOSFET in a SOT-23 Plastic Package.

/ Features

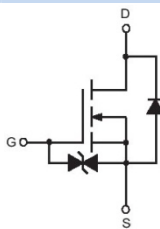
2KY AEC-Q101

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

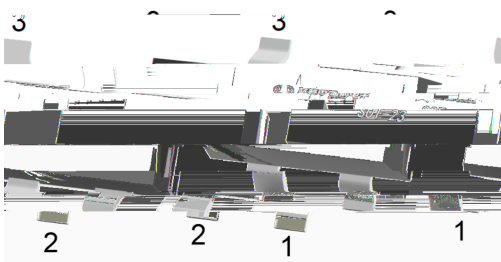
/ Applications

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

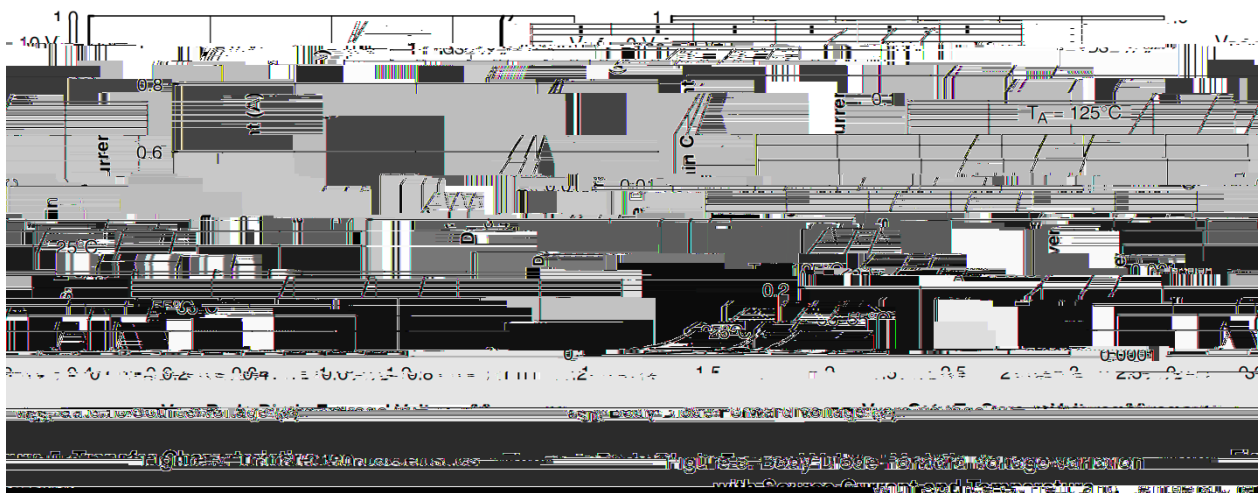
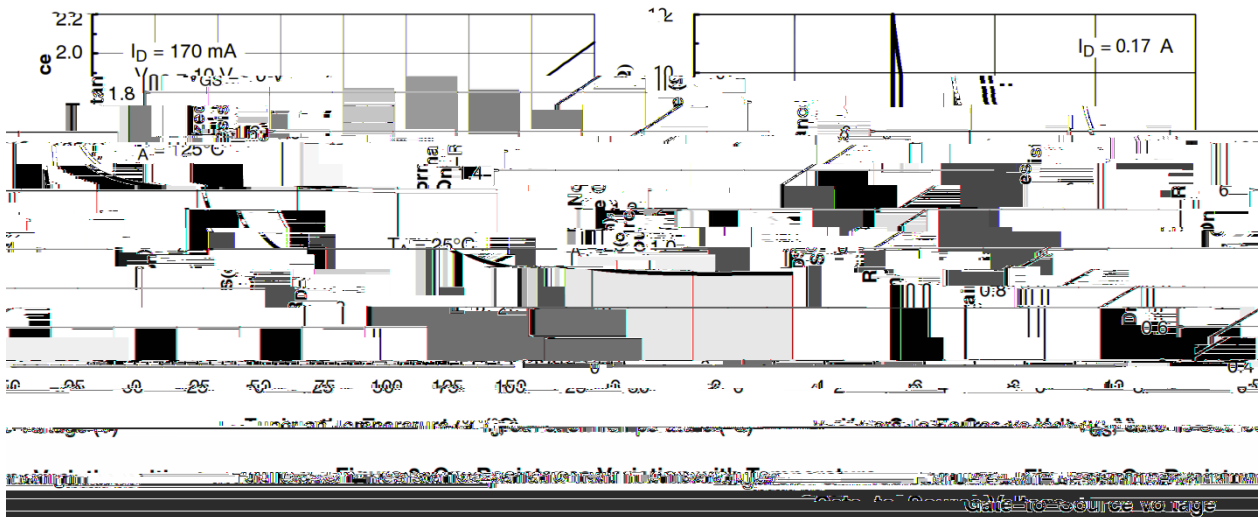
/ Marking

Marking	QSA
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BRBSS123K2Q

Rev.A Dec.-2023

/ Electrical Characteristic Curve



BRBSS123K2Q

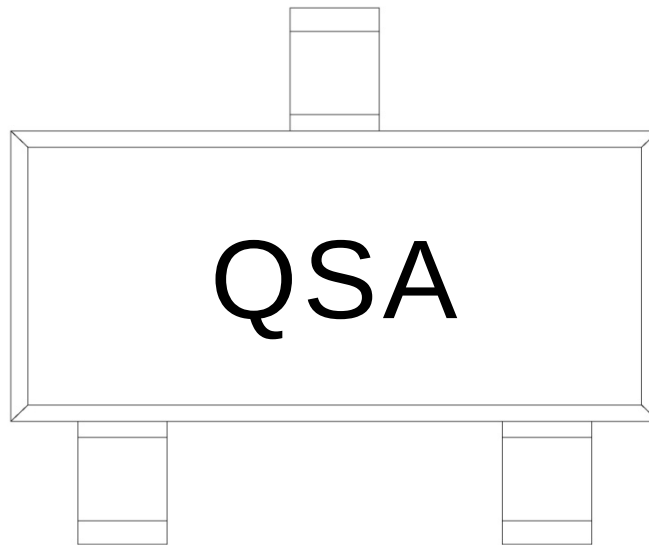
Rev.A Dec.-2023



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

/ Marking Instructions



Q

SA

Note:

Q: Automobile halogen-free product Code

SA: Product Type Code

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

Note:

- 1

150 200‰ 60 120sec;

2

255^{±2} 5‰ 5^{±2} 0.5sec;

3

2 10‰/sec.
- 1.Preheating:150~200‰, Time:60~120sec.

2.Peak Temp.:255^{±2} 5‰, Duration:5^{±2} 0.5sec.

3.Cooling Speed: 2~10‰/sec.

/ Resistance to Soldering Heat Test Conditions

260^{±2} 5‰ 10^{±2} 1 sec. Temp.:260±5 Time:10±1 sec