

BRBSS123K2Q

Rev.A Dec.-2023

/ Descriptions

SOT-23 N MOS

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

/ Features

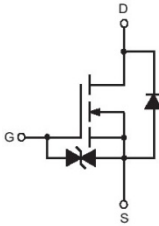
2KM AEC-Q101

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

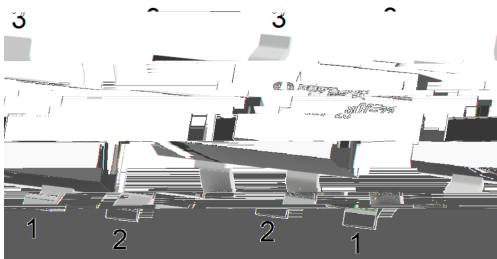
/ Applications

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

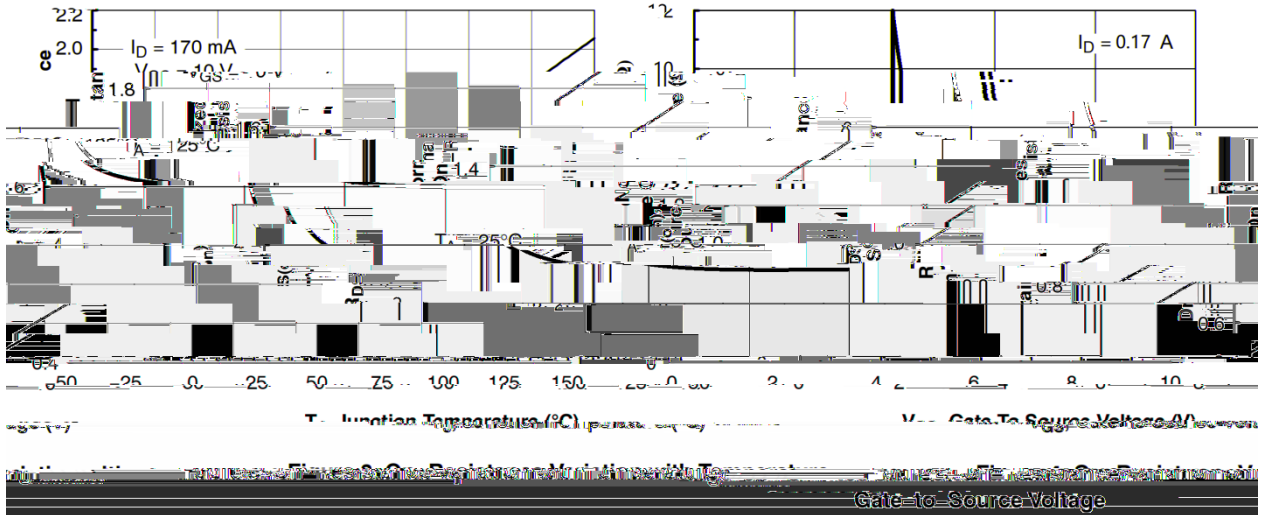
/ Marking

Marking	QSA
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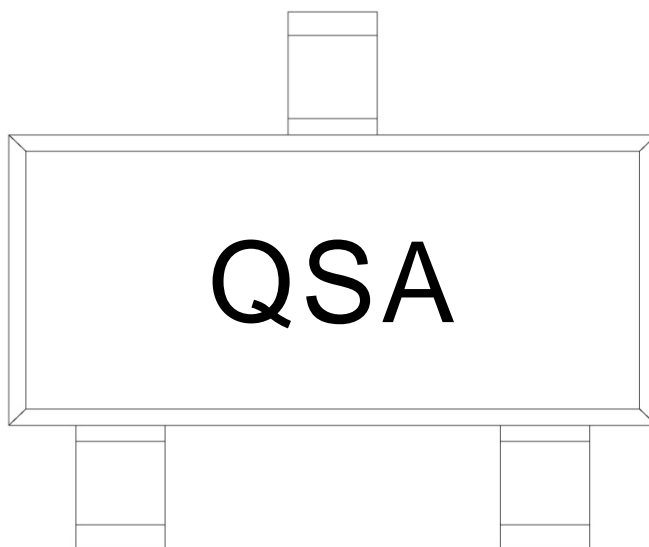
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/ Electrical Characteristic Curve



/ Marking Instructions



Q: Automobile 'halogen-free' product 'Code'

SA: Product Type Code

Note:

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SA: Product Type Code



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

Note:

- 1 150 200 60 120sec; 1.Preheating:150~200 , Time:60~120sec.
- 2 255..5 5..0.5sec; 2.Peak Temp.:255..5 , Duration:5..0.5sec.
- 3 2 10 /sec. 3.Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260..5 10..1 sec. Temp.:260±5 Time:10±1 sec