/ Descriptions

SOT-23 ṂṂ Ḅ N ⳹ MOS ⨏ ѽ Ẓ ㄱ

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

/ Features

ḅ ѽ [OBJ] í ˙ ㄱ Ն ∧ ↄ Ⅱ ⫐ Ễ [OBJ] ∧ 'Y ↄ Ⅱ ¯ ↄ ℨ ǐ ⨏ 2KY ı ㅓ ᵀ AEC-Q101 ‰ ´ ⇗ ˙ 、ớ ⌊ ∂ ı ή ғ β

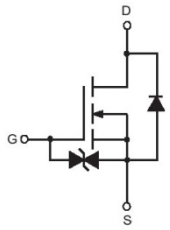
Sensitive gate trigger current and Low Holding current.ESD protected up to 2KV, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

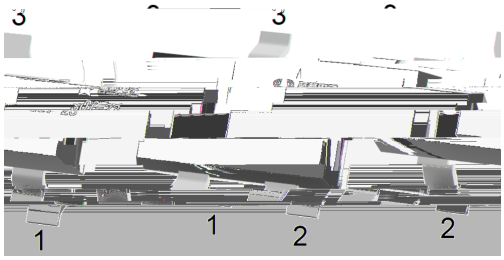
ғ Ă ˇ [OBJ] Ầ ʜ ⫐ ˆ í ˙ ı ◗ ′ ∩ ᷊ Ẓ ғ [OBJ] ₦ ⌊ ∂

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

/ Equivalent Circuit



/ Pinning



PIN1 χ G PIN 2 χ S PIN 3 χ D

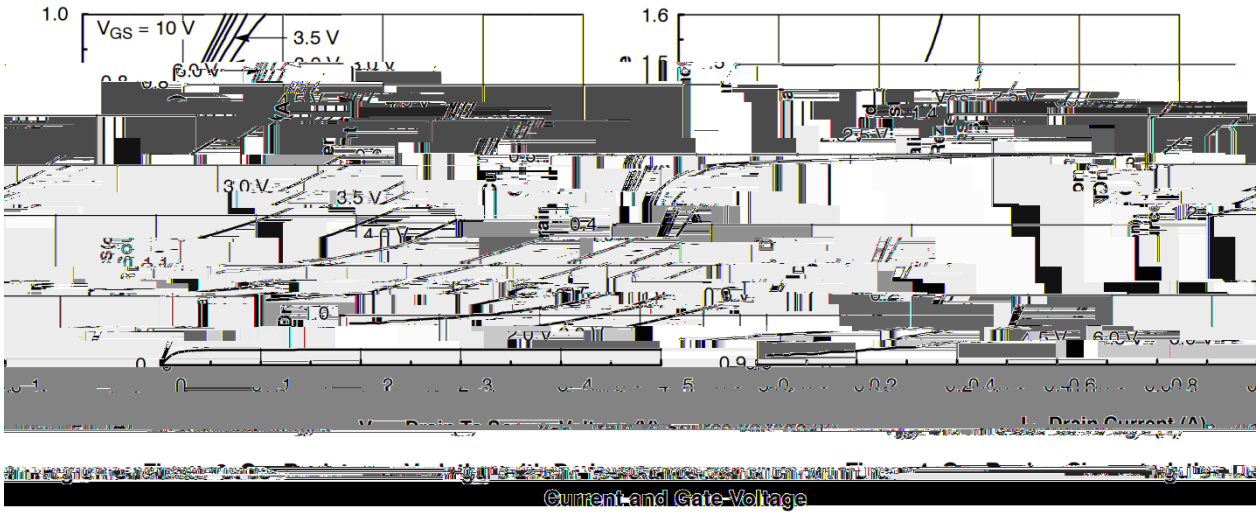
/ Marking

Marking	QSA

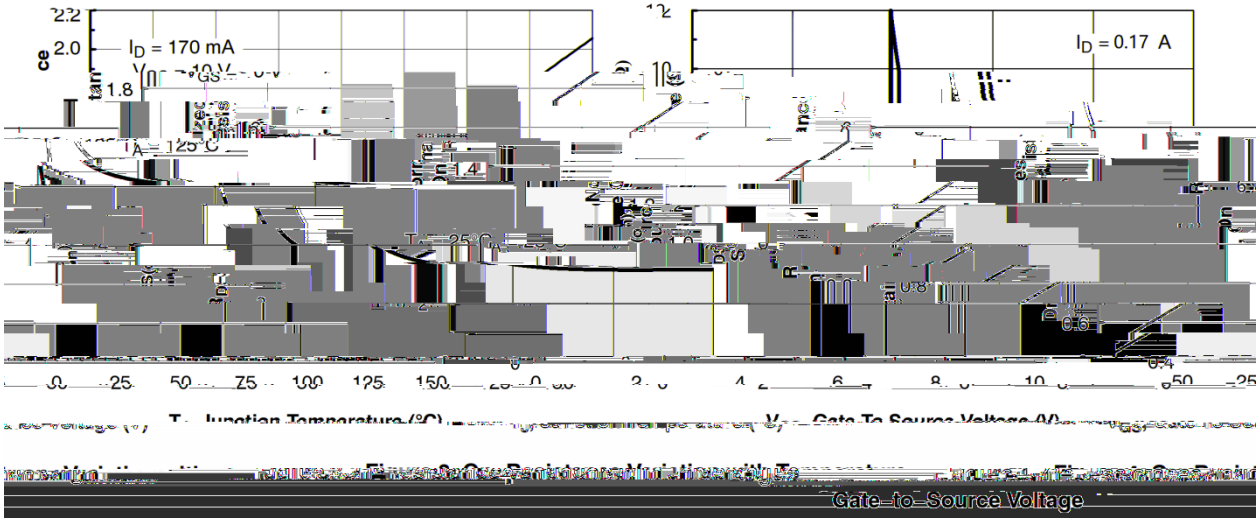
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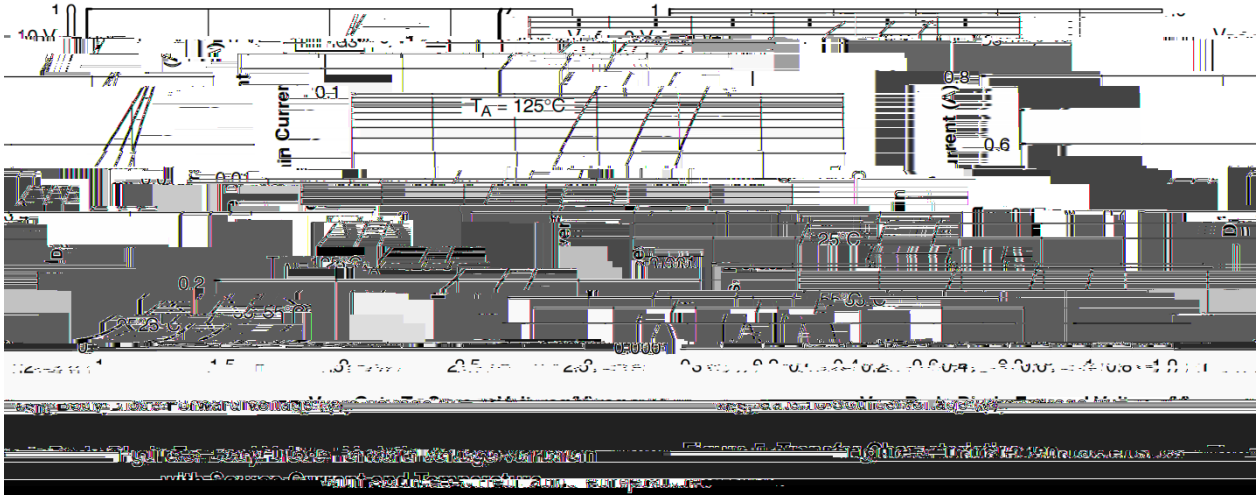
/ Electrical Characteristic Curve



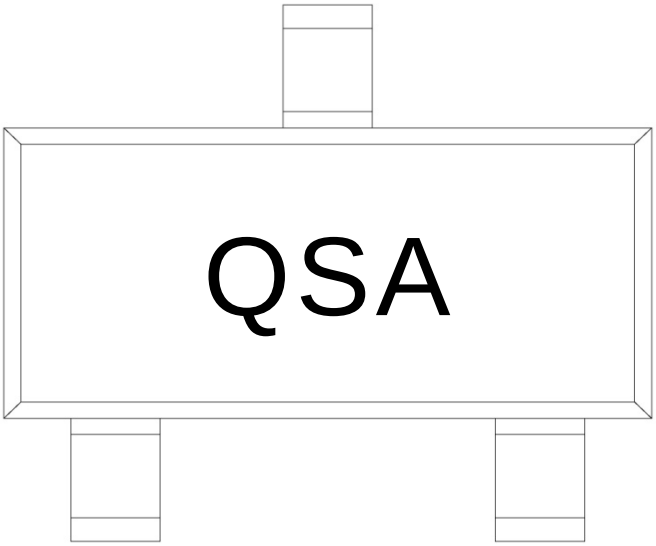
Current and Gate-Voltage



Gate-to-Source Voltage



/ Marking Instructions



ِ ˜ χ

Q χ ѭ ∩ ج ή ғ β ‰ ٧

SA χ ѭ ȝ ᴺ Ґ

Note:

Q: Automobile halogen-free product Code

SA: Product Type Code

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

ب ˝ χ

1 Ĺ ♬ □ ỷ 150 Ḱ 200 ł ı `H ڑ 60 Ḱ 120sec;

2 Š Ө □ ỷ 255 ° 5 ł ı `H ڑ 'Y ㅅ ㎛ 5 ° 0.5sec;

3 ì ˙ ㅅ ˛ ɔ ෂ ỷ ㎛ 2 Ḱ 10 ł /sec.

Note:

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

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

3.Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 260 ° 5 ł	`H ڑ χ 10 ° 1 sec.	Temp.:260±5	Time:10±1 sec

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