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A 2018-7

/ Descriptions

SOT-363 N MOS

N-CHANNEL MOSFET in a SOT-363 Plastic Package.

/ Features

SOT-363

1500V

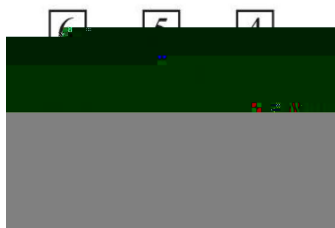
Low RDS(on), rugged and reliable, compact industry standard SOT-363 surface mount package. ESD protected up to 1500V. HF product.

/ Applications

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Typical applications are dc-dc converters, portable power management and battery-Charging products.

/ Equivalent Circuit



/ Pinning



PIN1 S1 PIN 2 G1 PIN 3 D2 PIN 4 S2 PIN 5 G2 PIN 6 D1

/ Marking

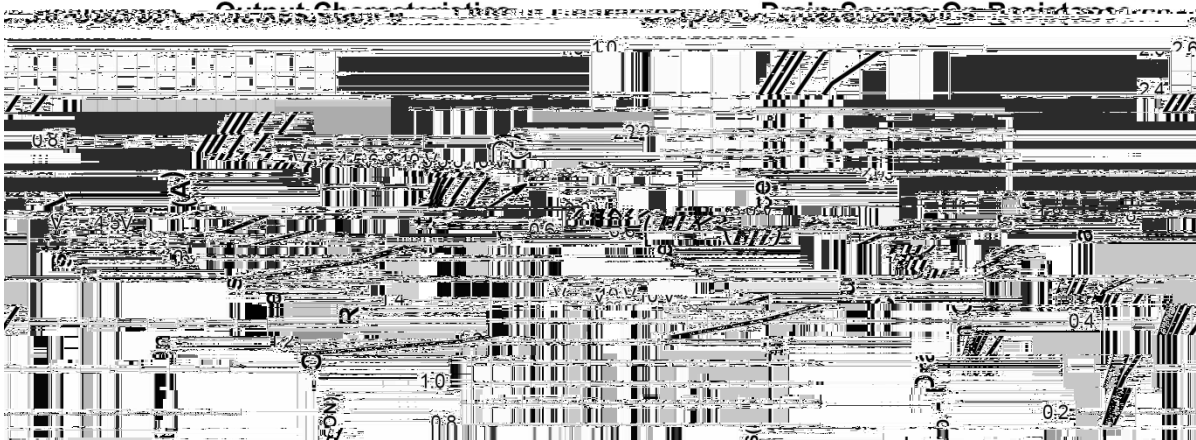
Marking

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BRCS139WS

Rev.C Oct.-

/ Electrical Characteristic Curve



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Rev.C Oct.-2021

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

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|---|-----------|-------------|-------|--|
| 1 | 150 180 | 60 90sec; | Note: | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | | 2.Peak Temp.:245±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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/ **Packaging SPEC.**

/ REEL