

BRCL3130ME
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DATA SHEET

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/ Descriptions

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/ Features

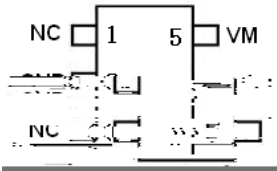
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Functional Block Diagram

Functional Description

BRCL3130ME is a P-channel MOSFET with a maximum drain current of 1.3A and a maximum drain-source voltage of 30V. It is designed for use in low-voltage, low-current applications. The device is packaged in a TO-18 package and is RoHS compliant.

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Normal Operating mode

The MOSFET is operated in the normal operating mode when the gate-source voltage is greater than the threshold voltage. The drain current is limited by the gate-source voltage and the drain-source voltage. The device is designed to operate in the linear region of the transfer characteristic curve.

Overcharge Condition

Overdischarge Condition

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Abnormal Charge Current Detection

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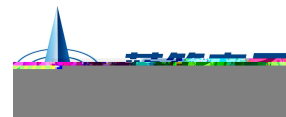
BRCL3130ME

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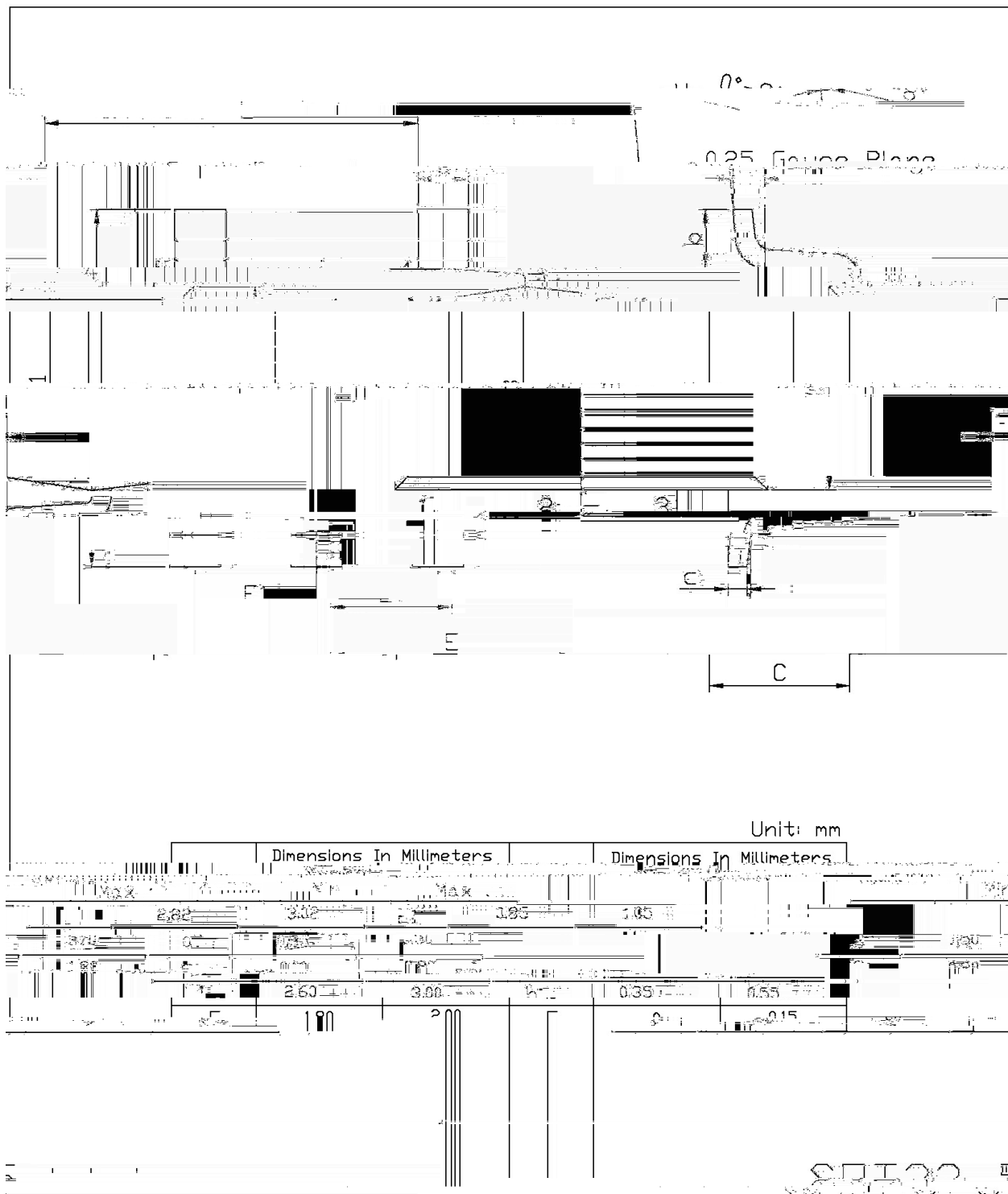
Timing Chart

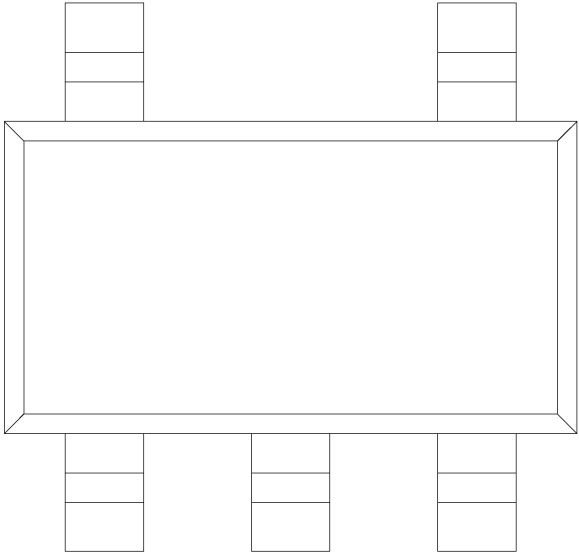
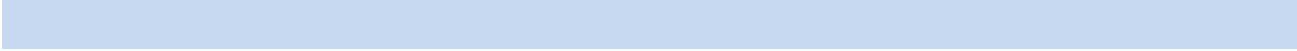
Charger Detection

Abnormal Charge Detection



/ Package Dimensions







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