

BRCL3230SE

Rev.B Nov.-2021



DATA SHEET

BRCL3230SE /

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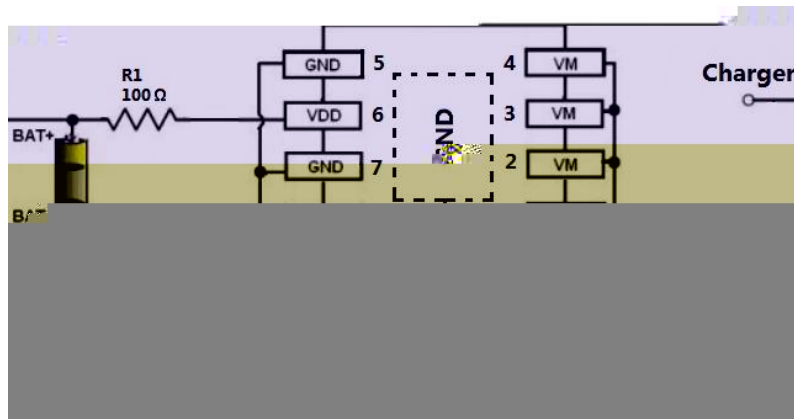
MOSFET

BRCL3230SE ESOP-8

BRCL3230SE

The BRCL3230SE series product is a high integration solution for lithium-ion/polymer battery protection. BRCL3230SE contains advanced power MOSFET, high-accuracy voltage detection circuits and delay circuits.

BRCL3230SE is put into an ultra-small ESOP-8 package makes it an ideal solution in limited space of battery pack.



- (1)
 - (2)
- Notes

/Parameter

/Symbol

/Value

q

Equivalent FET on Resistance						
Equivalent FET on Resistance	R_{DS}	$V_{dd}=3.6V$	$I_{VM}=1A$		23	30 mΩ

Over temperature protection

Functional Description

The BRCL3230SE monitors the voltage and current of a battery and protects

Overcharge Condition

The BRCL3230SE detects this voltage and releases the overcharge condition. Consequently, in the





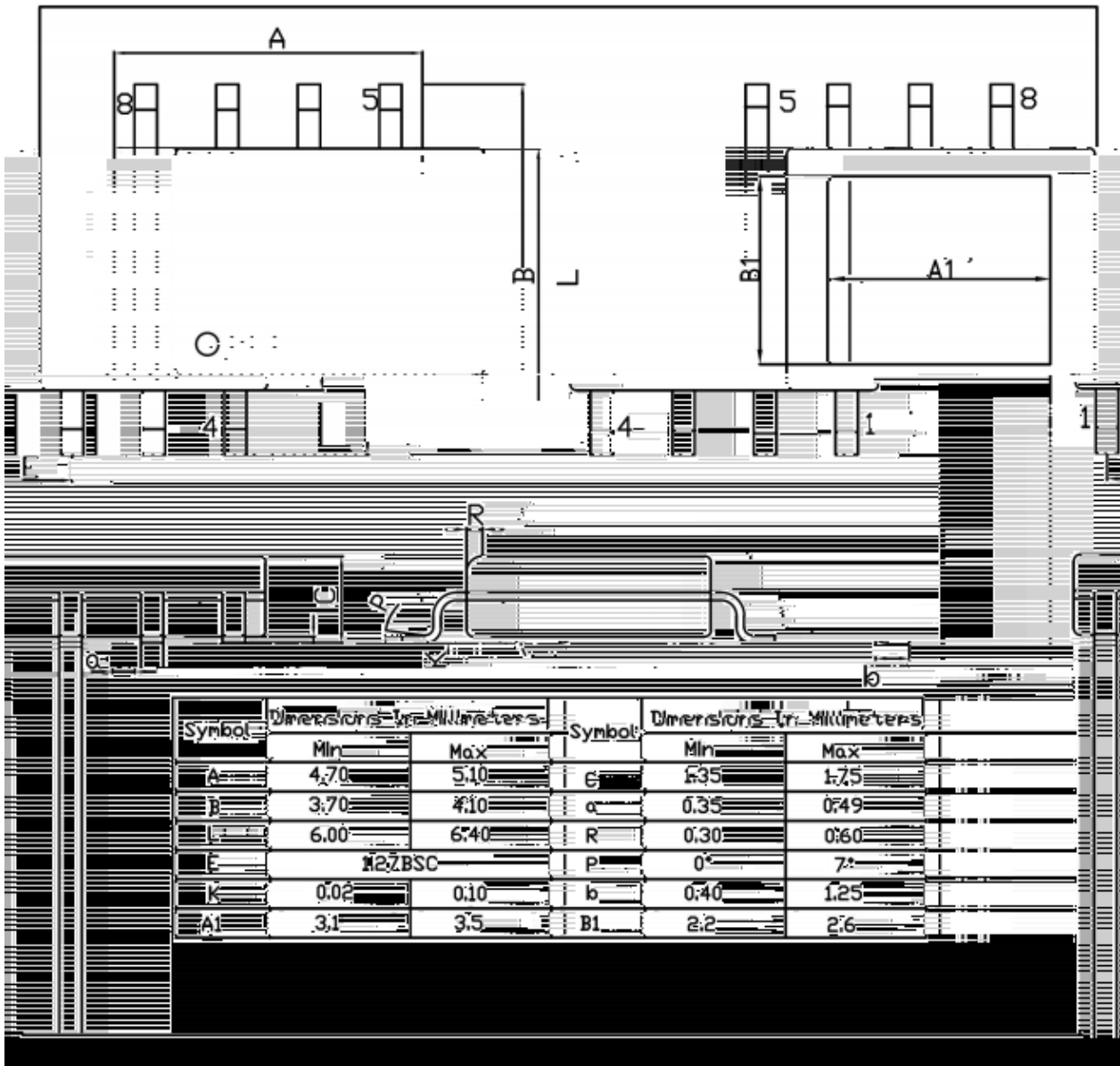
Timing Chart

Overcharge And Overdischarge Detection

/ Package Dimensions

ESOP-8

Unit:mm



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Note:

- 1 Rem 150 180 °C by 60 90sec;
- 2 245±5 5±0.5sec;
- 3 2 10°C/sec.

- 1.Preheating:150~180°C, Time:60~90sec.
- 2.Peak Temp.:245±5°C, Duration:5±0.5sec.
3. Cooling Speed: 2~10°C/sec.

/ Resistance to Soldering Heat Test Conditions

260±5°C

10±1 sec.

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