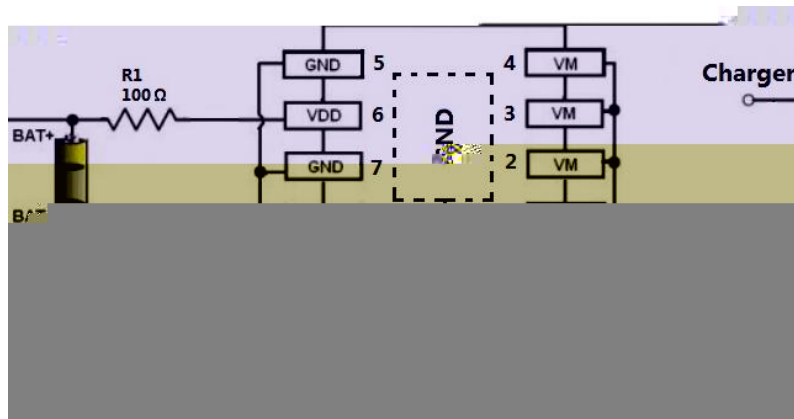


The BRCL3230SE series product is a high integration solution for lithium-ion/polymer battery protection. BRCL3230SE contains advanced power MOSFET, high-accuracy voltage detection circuits and delay circuits.

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



Notes

/Parameter	/Symbol	/Value
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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



0V /

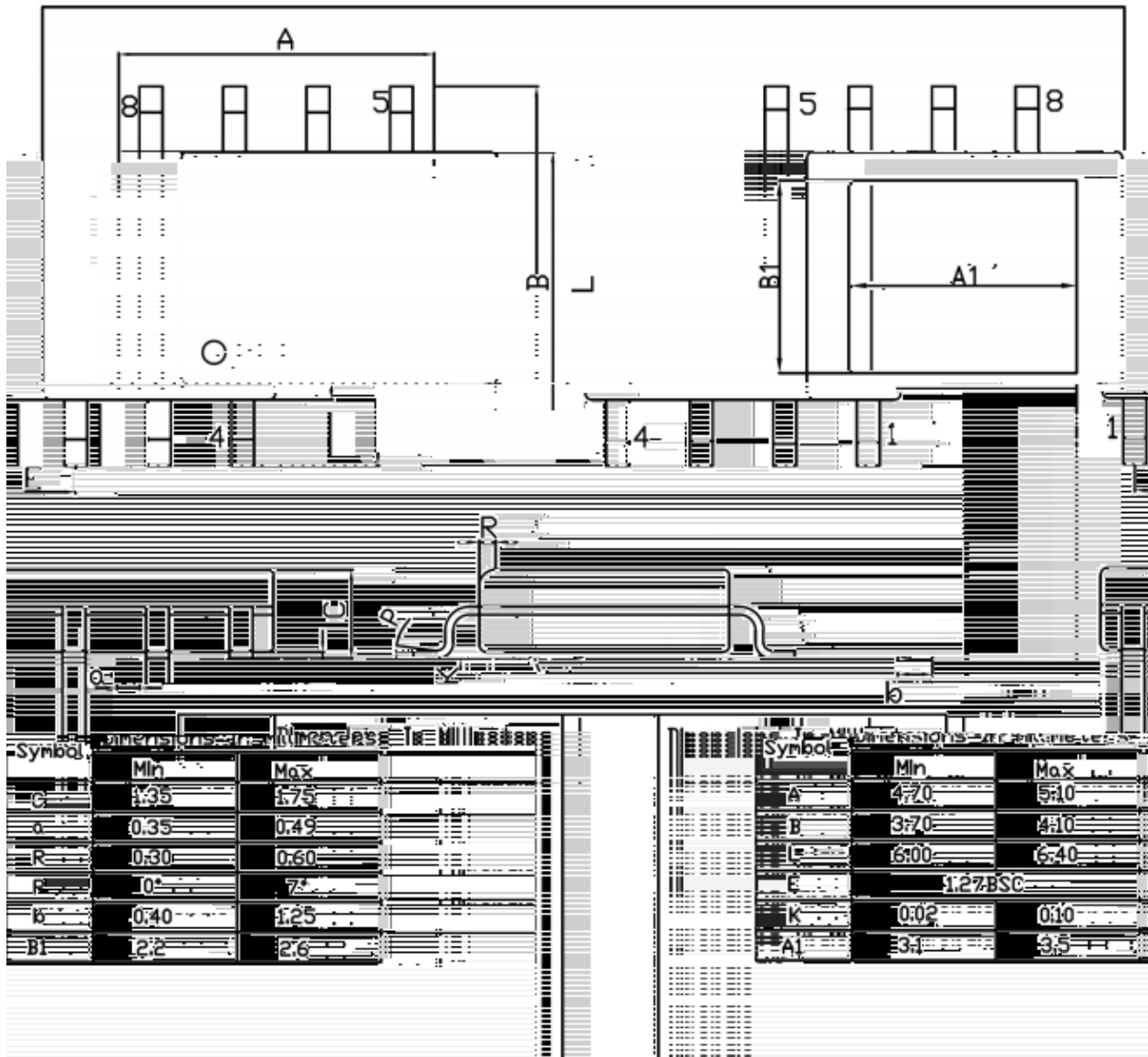
/ Timing Chart

/Overcharge And Overdischarge Detection

/ Package Dimensions

ESOP-8

Unit:mm



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

Note:

- 1 Rem 150 180 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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