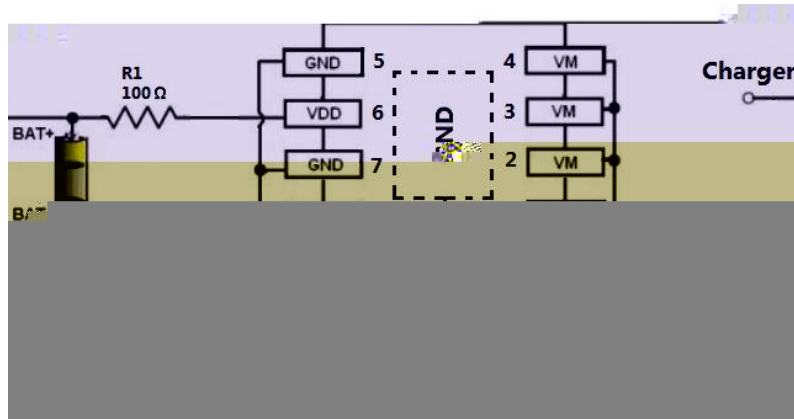


The BRCL3230SE series product is a high integration solution for lithium-ion/polymer battery protection. BRCL3230SE contains advanced power MOSFET, high-accuracy voltage detection circuits and delay circuits.

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

H

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

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





OV /



/ Timing Chart

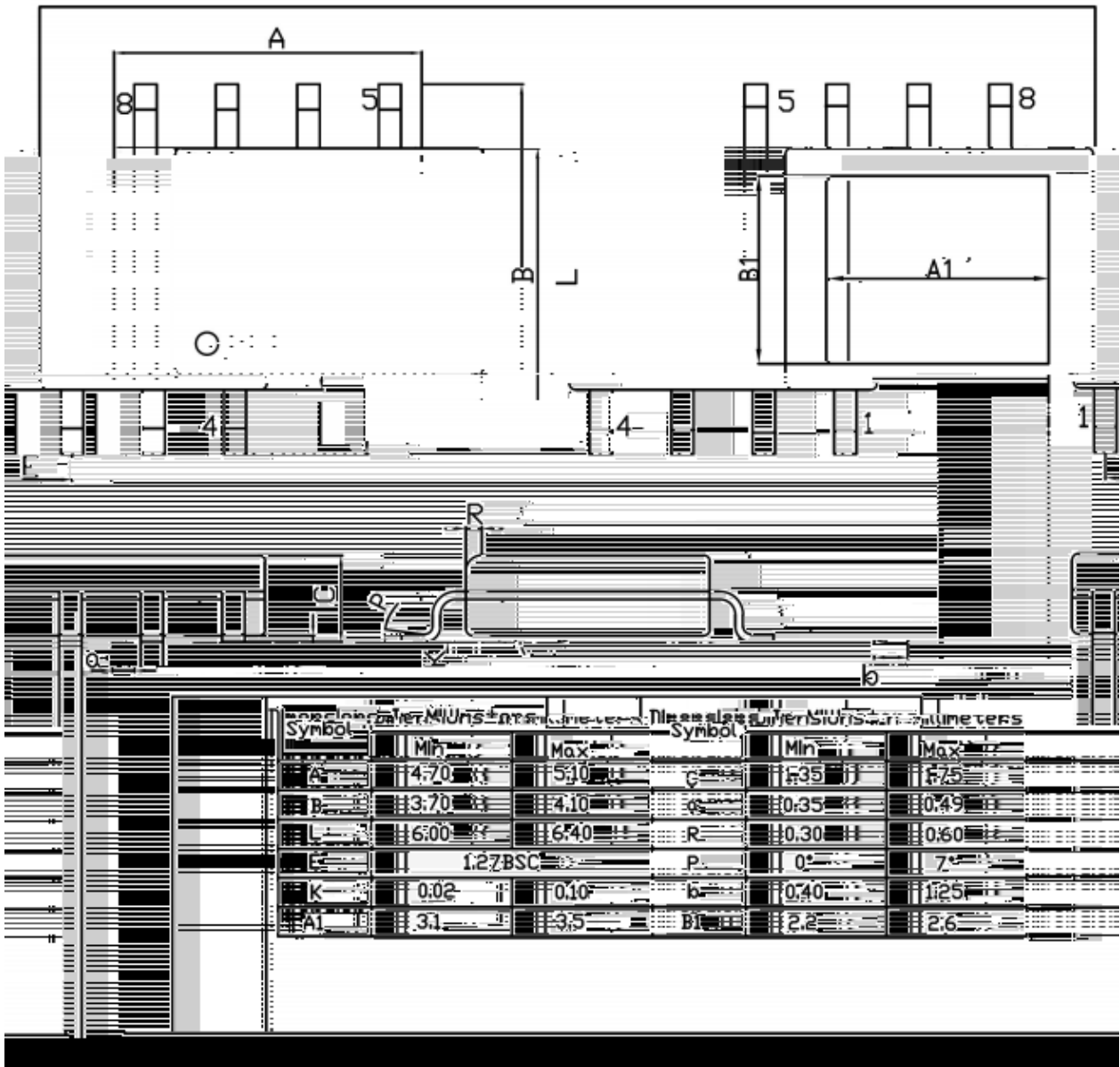
/Overcharge And Overdischarge Detection



/ Package Dimensions

ESOP-8

Unit:mm





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

- | | | | | |
|---|-----|-----------|-------------|--|
| 1 | Rem | 150 ~ 180 | 60 ~ 90sec; | Note: |
| 2 | | 245±5 | 5±0.5sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 3 | | 2 | 10°C/sec. | 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.