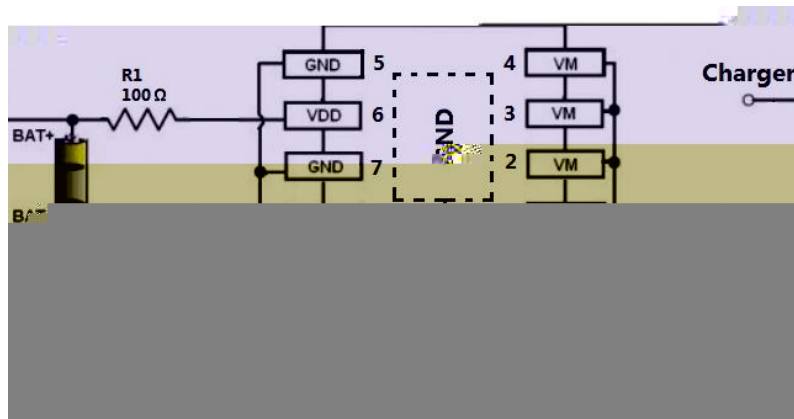


The BRCL3230SE series product is a high integration solution for lithium-ion/polymer battery protection. BRCL3230SE contains advanced power MOSFET, high-accuracy voltage detection circuits and delay circuits.

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

Equivalent FET on Resistance						
Equivalent FET on Resistance	R_{DS}	$V_{dd}=6.6V, V_{GS}=10V, V_{DS}=1A$		23	30	mΩ

Over temperature protection

/ Functional Description

he
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



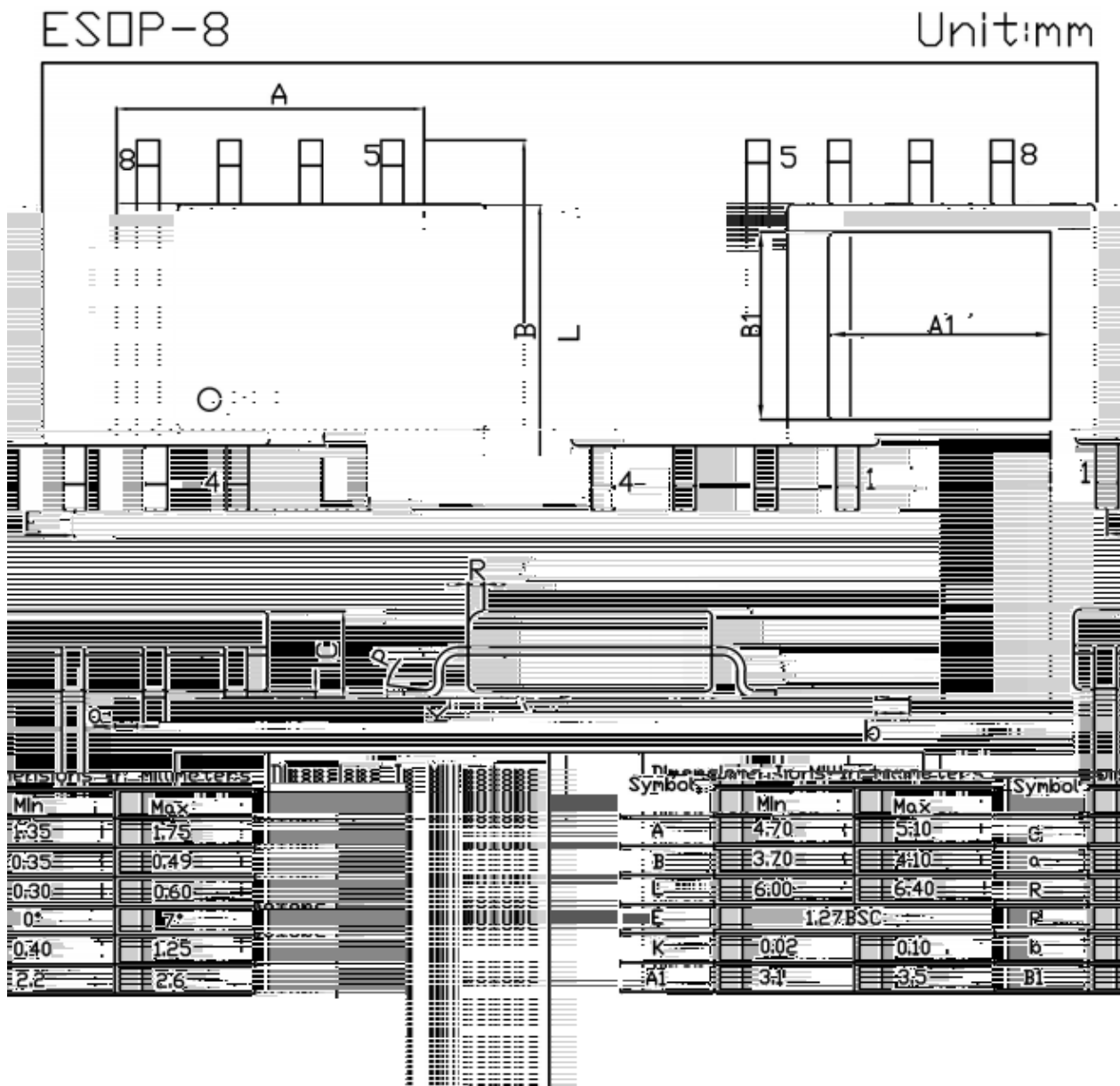


0V **/**

/ Timing Chart

/Overcharge And Overdischarge Detection

/ Package Dimensions



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

Note:

- | | | |
|---|--------------------------|--|
| 1 | Rem 150 180 0y 60 90sec; | 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.