



F	2018-4				
G	2019-2-15	1			
H	2019-8-23	1 3 4	SX RDSON 50mR		
I	2020-1-3		RDSON 50mR VT		
J	2021-4-13	2	3230		

BRCL3130ME



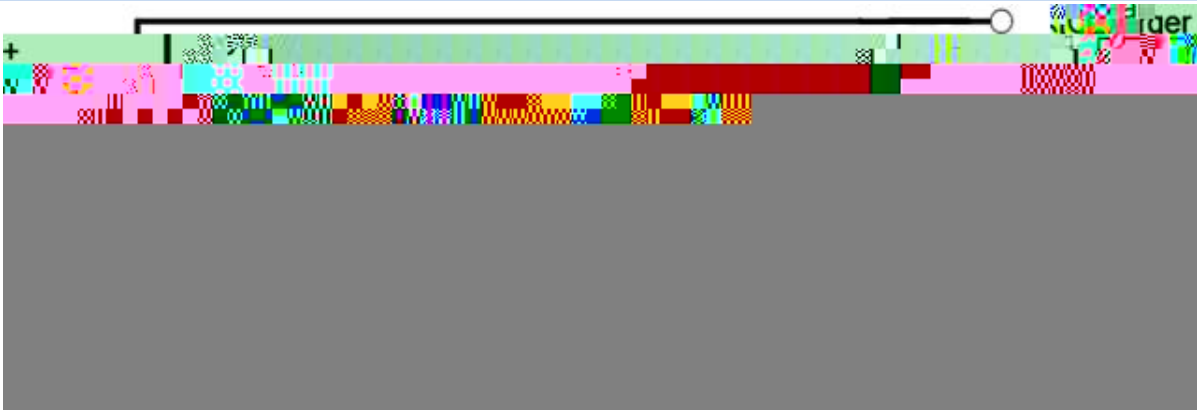
DATA SHEET

BRCL3130ME /
MOSFET
BRCL3130ME SOT23-5
BRCL3130ME

BRCL3130ME



/ Typical Application

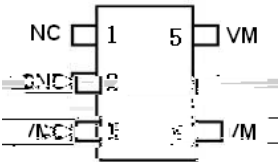
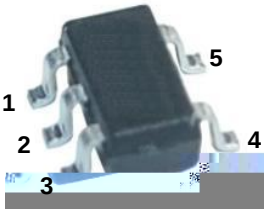


(1)

(2)

:

/ Pinning



Pin Number	Pin Name	Pin Description
1		
2		
3		
4 5		

/ Marking



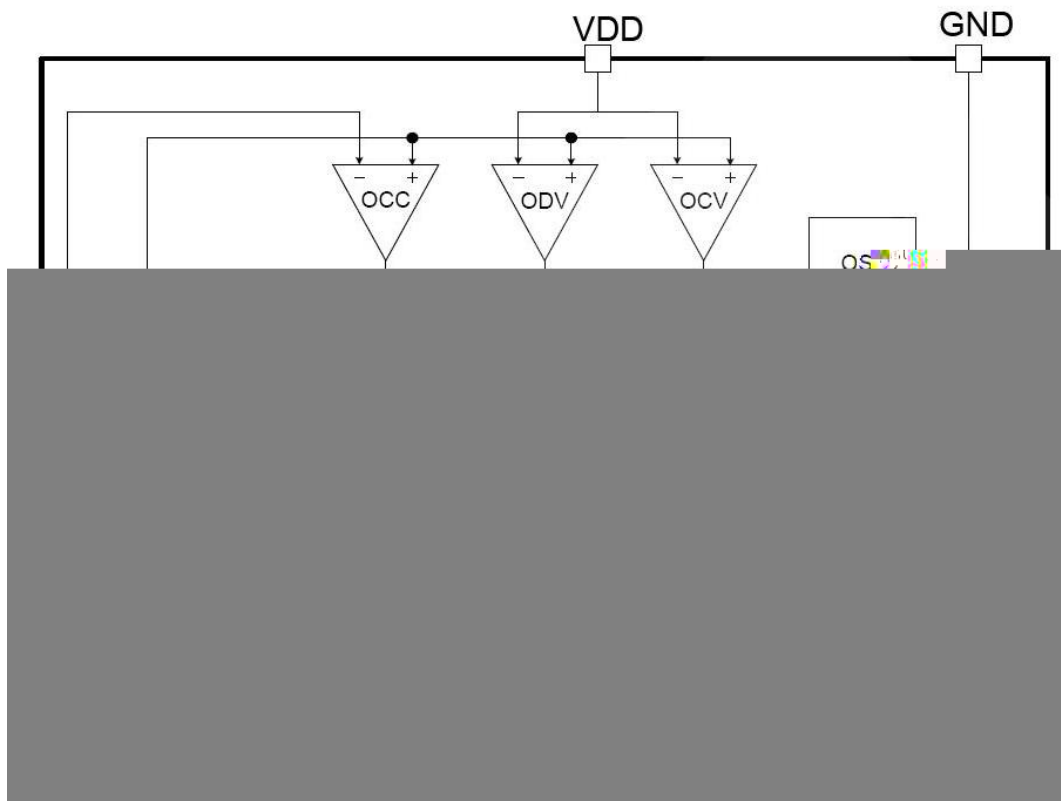
/ Absolute Maximum Ratings(Ta=25)

			℃
			℃
			℃
			℃
			℃
			℃

/ Electrical Characteristics(Ta=25)

		,				
		,				
						℃
						℃

/ Functional Block Diagram



/ Functional Description

BRCL3130ME

50mΩ

MOSFET



/ Overcharge Condition

/ Overcurrent Condition

6 12



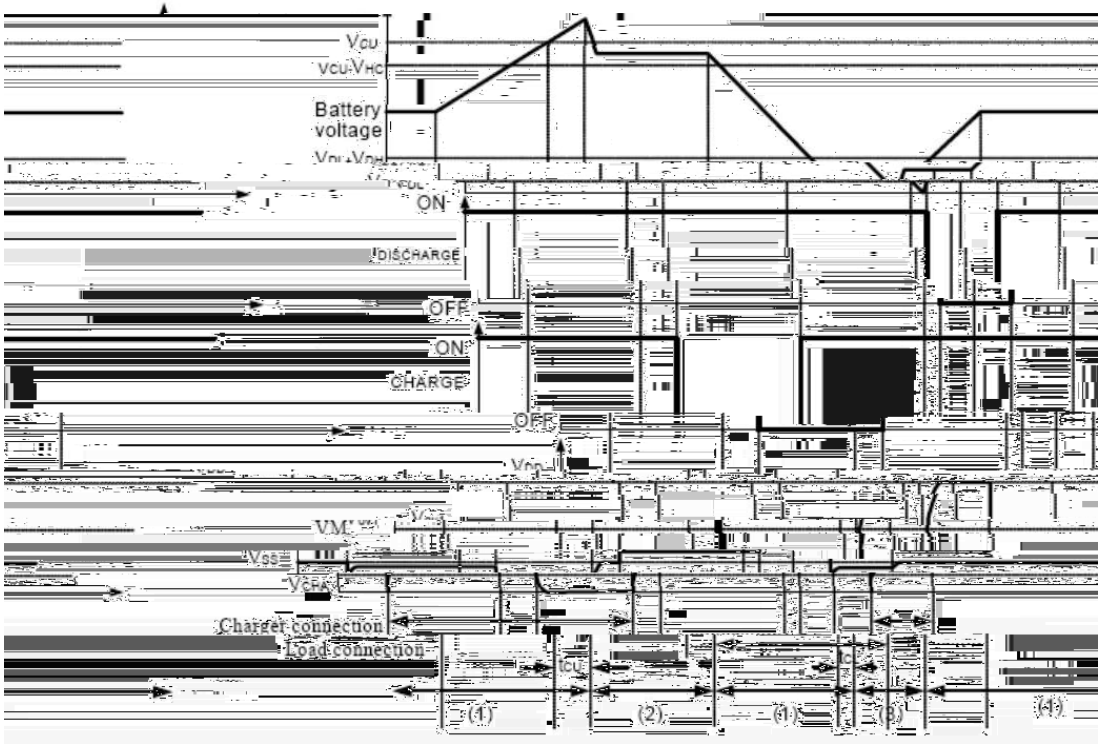
/ Abnormal Charge Current Detection

(TCU)	BRCL3130ME	FET	(VCHA)		
	VM		(VCHA)		0V
	VM GND			0V	

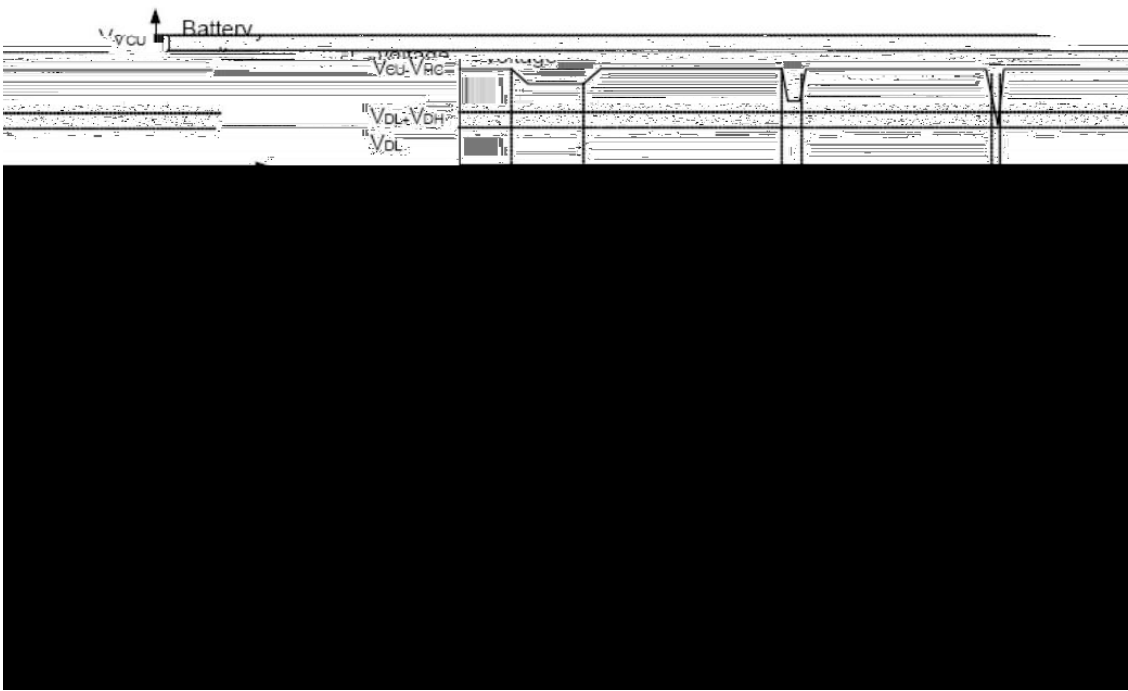


/ Timing Chart

/Overcharge And Overdischarge Detection

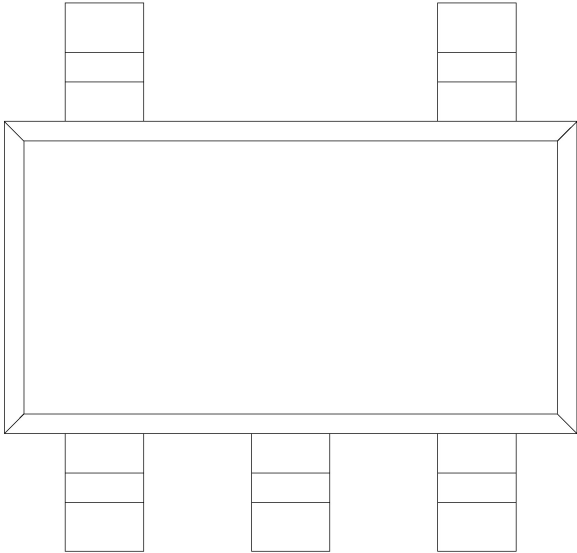


/Overdischarge Current Detection



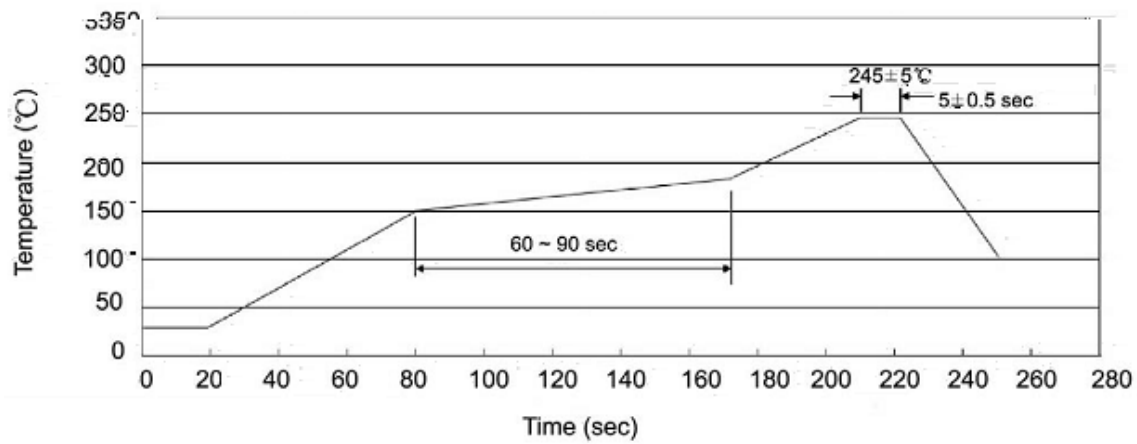


/ Marking Instructions



3130

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


$$\begin{array}{ccccccc} & & & & & & ^\circ\text{C} \\ \pm & & & \pm & & \pm & ^\circ\text{C} \\ & & ^\circ\text{C} & & & & ^\circ\text{C} \end{array}$$

/ Resistance to Soldering Heat Test Conditions

$$\pm \text{ }^{\circ}\text{C} \quad \pm \quad \pm \text{ }^{\circ}\text{C} \quad \pm$$

/ Packaging SPEC.

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
SOT23-5/6	3,000	10	30,000	4	120,000	7" × 8	210×205×205	435×225×420

/ Notices