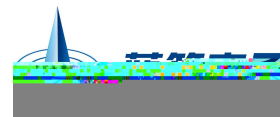


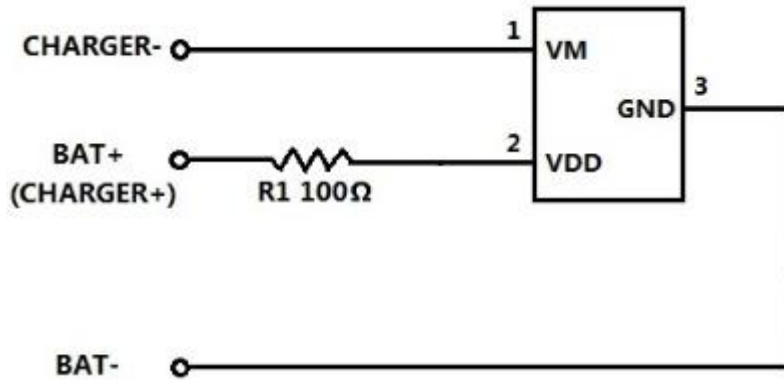
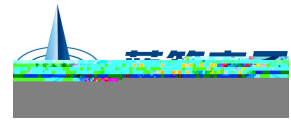
BRCL3130MC



DATA SHEET

BRCL3130MC /
MOSFET
BRCL3130MC SOT23-3
BRCL3130MC

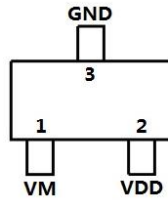
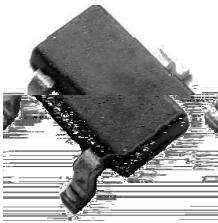
BRCL3130MC



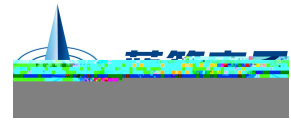
(1)

(2)

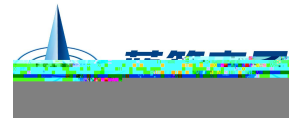
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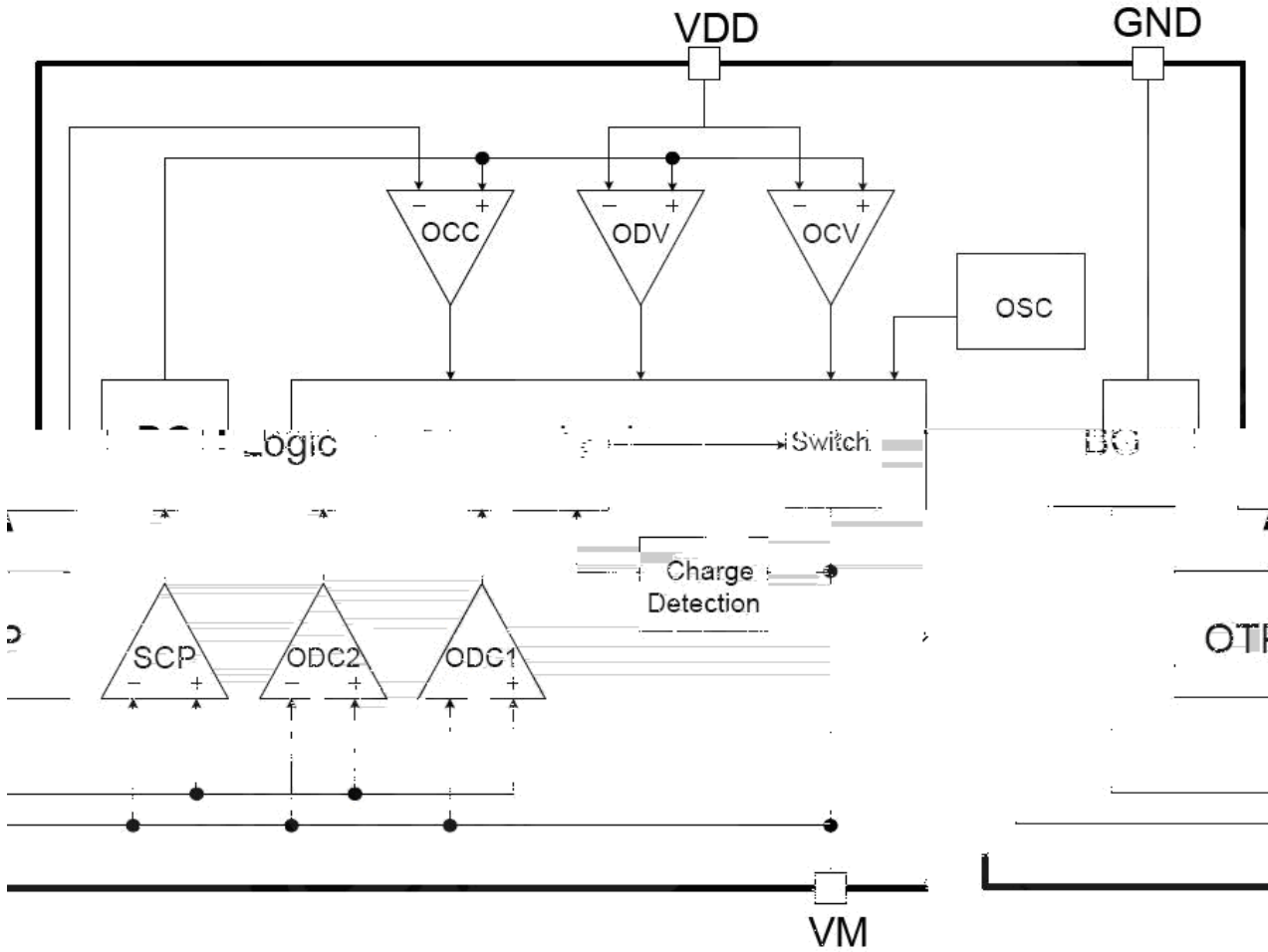
Pin Number	Pin Name	Pin Description
1		
2		
3	3	3



			°C
			°C
			°C
			°C
			°C
			°C
			°C



Functionl Block Diagram



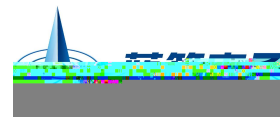
Functional Description

BRCL3130MC

MOSFET

50m

Normal Operating mode



Overcharge Condition

TCU BRCL3130MC FET VCU ,

1 VCL BRCL3130MC

2 BRCL3130MC

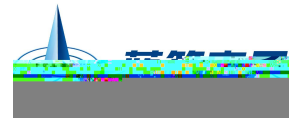
BRCL3130MC VM 0.7V

VCU BRCL3130MC VCU

VCU VCU

VM 1

VCU

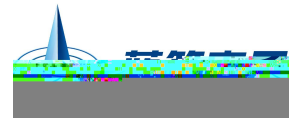


Overdischarge Condition

TDL BRCL3130MC VDL ,
 FET VM VM VDD RVMD
 IPDN VM VDD VM VCHA ,
 RVMD VM (VDL) BRCL3130MC
 FET VCHA ,
 FET VM VCHA ,
 VDR

Overcurrent Condition

1 BRCL3130MC VM
 2 FET ,VM GND RVMS
 VM VDD VM
 VM GND RVMS VM
 1



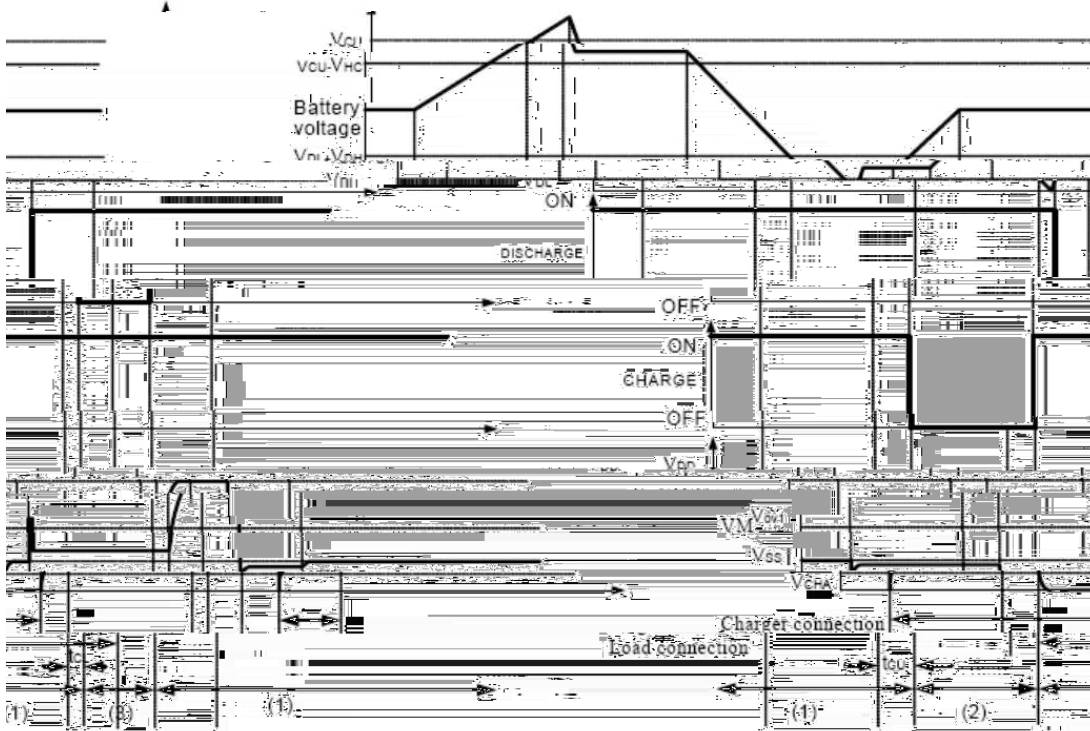
Abnormal Charge Current Detection

(TCU)	VM BRCL3130MC	FET	(VCHA)			
	VM GND		(VCHA)	OV		OV

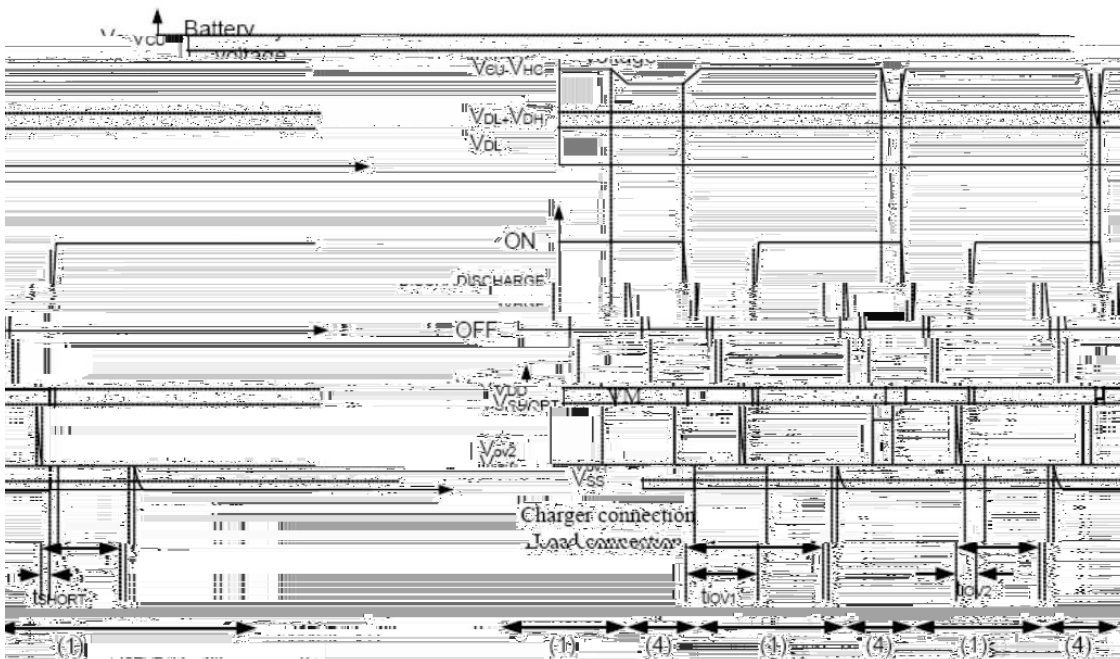


Timing Chart

Overcharge And Overdischarge Detection



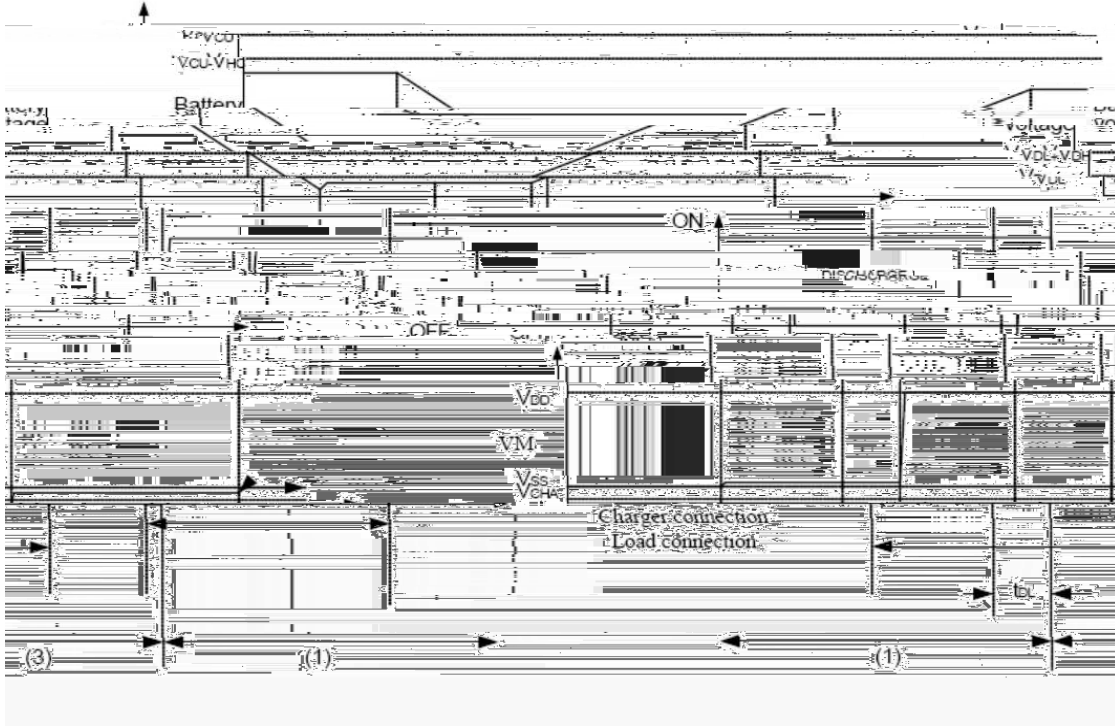
Overdischarge Current Detection



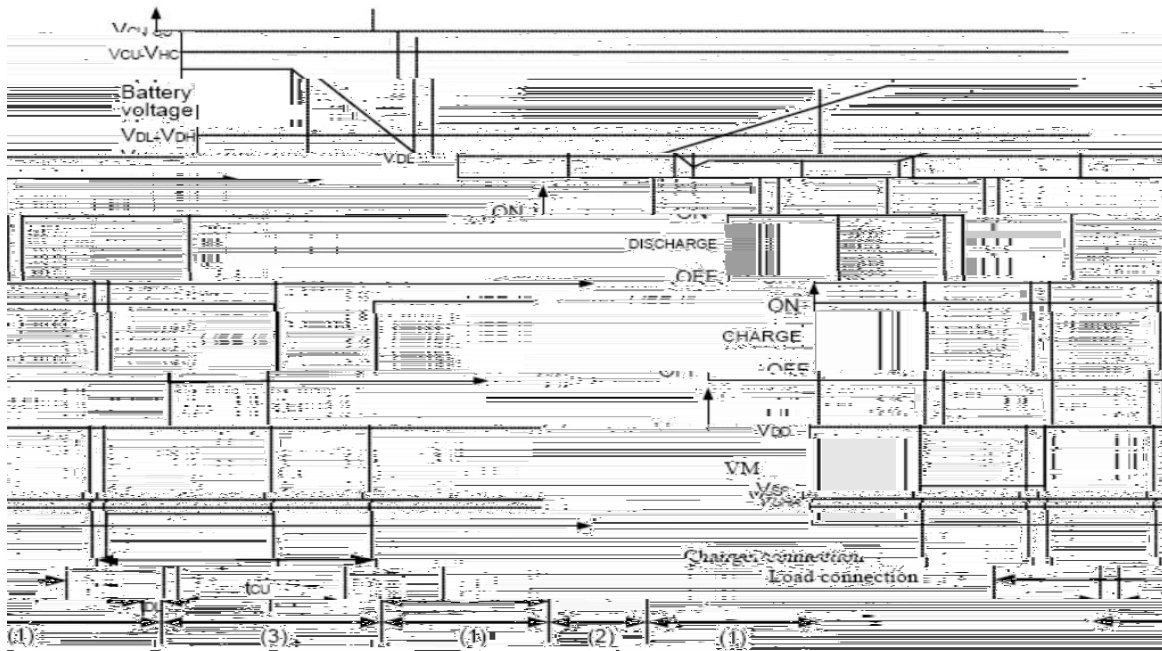


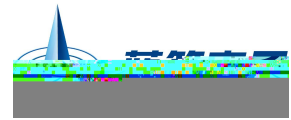
Timing Chart

Charger Detection

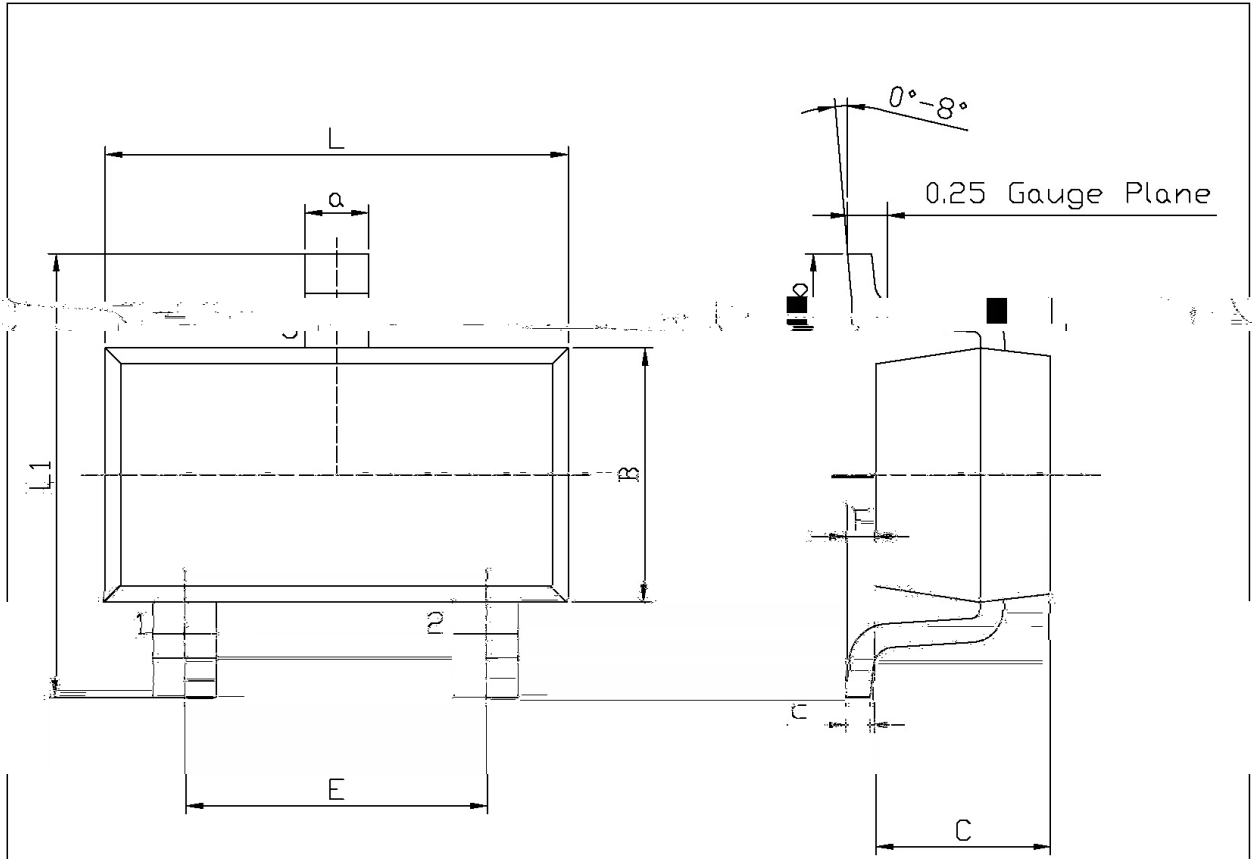


Abnormal Charge Detection



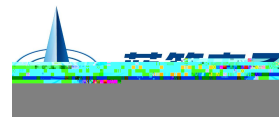


/ Package Dimensions



Unit: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
L	2.02	3.02	L1	0.35	0.50
B	0.76	0.76	a	0.25	0.25
E	0.76	0.76	C	0.76	0.76



/ Marking Instructions

