

Q/Parameter

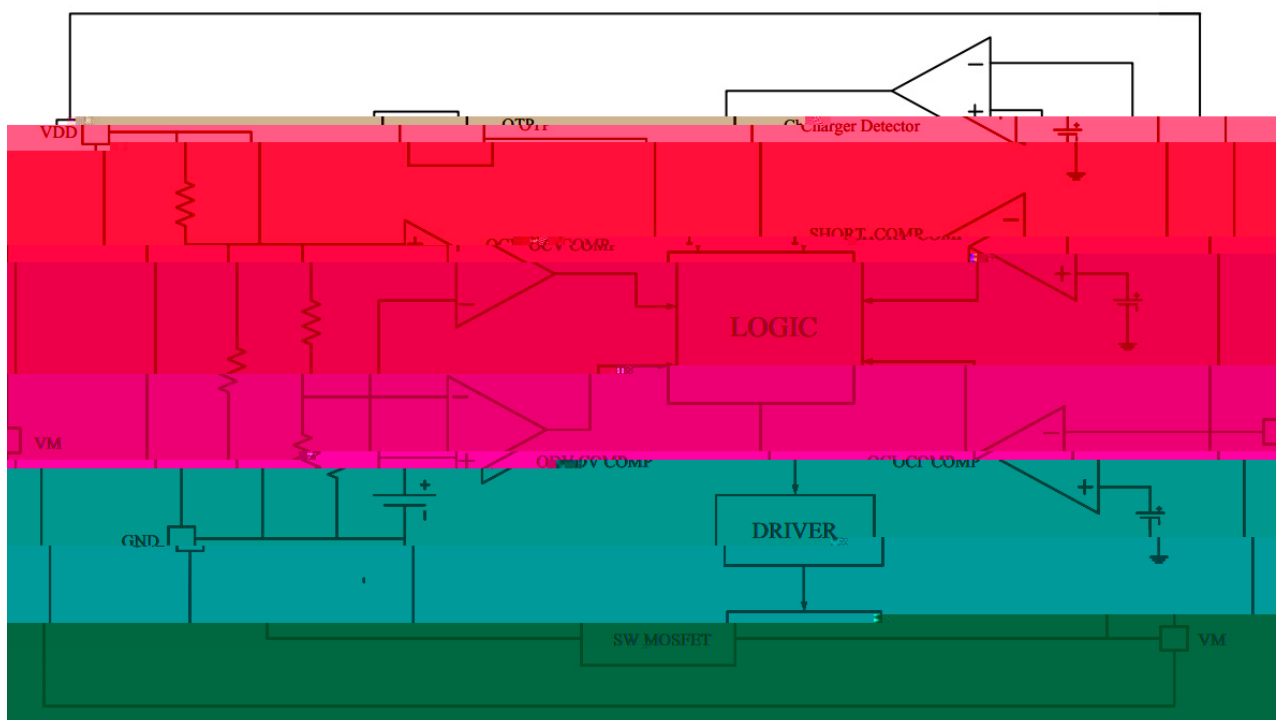
N/Symbol

/ Electrical Characteristics(Ta=25)

Ω Parameter	η N Symbol	Ⅱ ∶ † Test Condition	ω η Min	ε Typ	ω Max	θ Unit
Over temperature protection						
Over-temperature protection	OTP			145		
Over-temperature protection release temperature	OTPR			120		
Detection delay						
Overcharge Voltage Detection Delay Time	T _{OCV}			100		ms
Overdischarge Voltage Detection Delay Time	T _{ODV}			100		ms
Overdischarge Current1 Detection Delay Time	T _{IOV1}			8		ms
Overdischarge Current2 Detection Delay Time	T _{IOV2}			2		ms
Load Short-Circuiting Detection Delay Time	T _{SHORT}			150		s

*ص □ ĭ (OTP) χ τ 5 Ō̄ ≈ ó ù á ħ □ ŷ 6 OTPR ĩ ђ Q 5 Ō̄ ژ
 ځ ۛ ۞ ښ ږ
 * ĭ ĭ لا ؛ χ ص ل ڼ ~ ن ĭ ĭ [OBS] لا ؛ ā n W □ ĭ آ ف Φ گ څ ؛ ص ټ د J □ ۛ
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/ Functional Block Diagram



/ Charger Detection

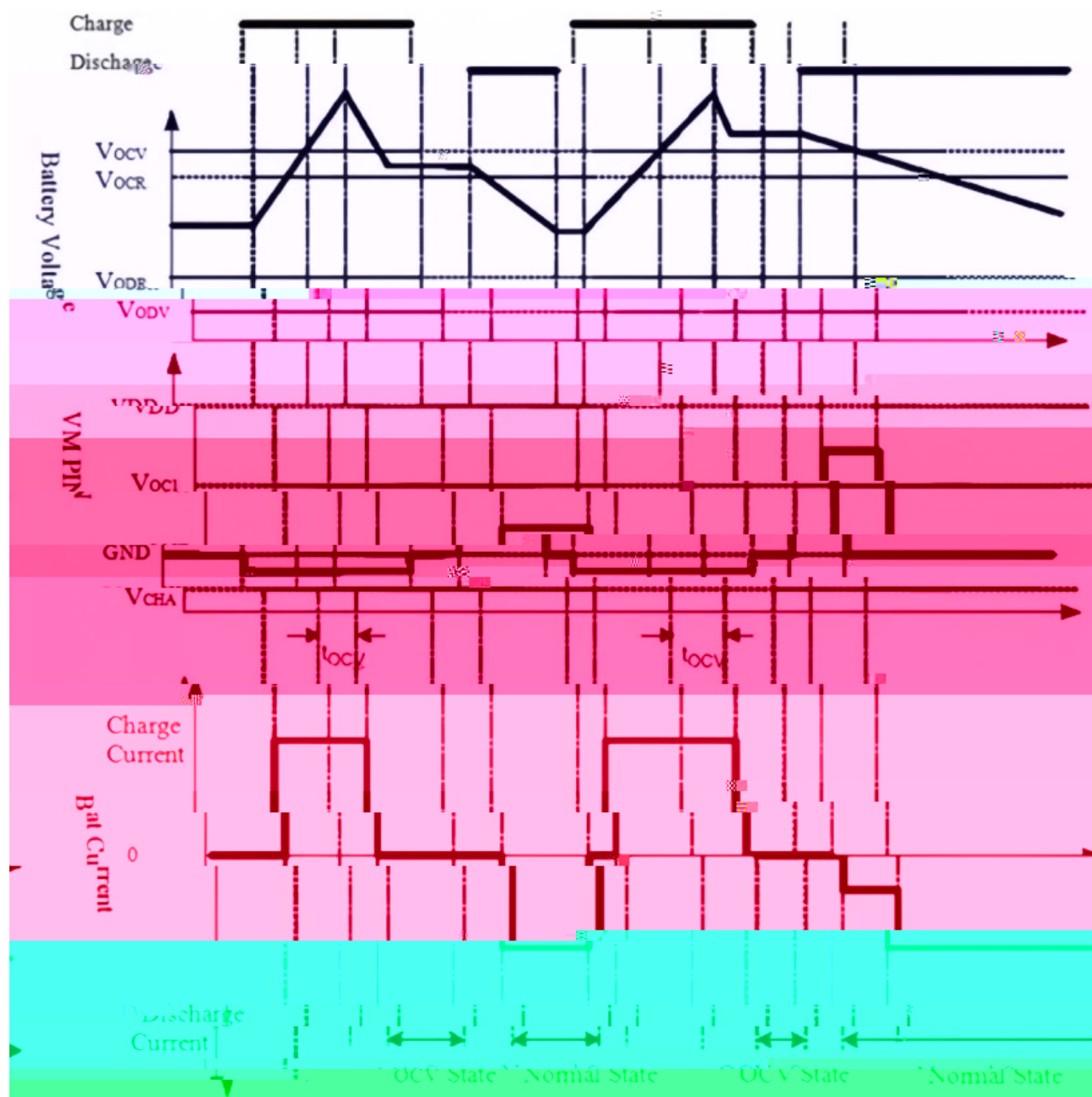
[illegible]

0V / 0V Battery Charging Function

3V Ɔ Ɔ - Ɔ Ḥ 5l6V ف ڭ ڭ ^ † ð %HPRVĂ Ă ل ڭ ڭ ص ڭ ڭ ڭ ڭ ڭ ڭ
Ɔ - Ɔ Ḥ 5l6V ڭ ڭ ڭ j ĩ 533pD ڭ - ل ڭ ڭ Ω

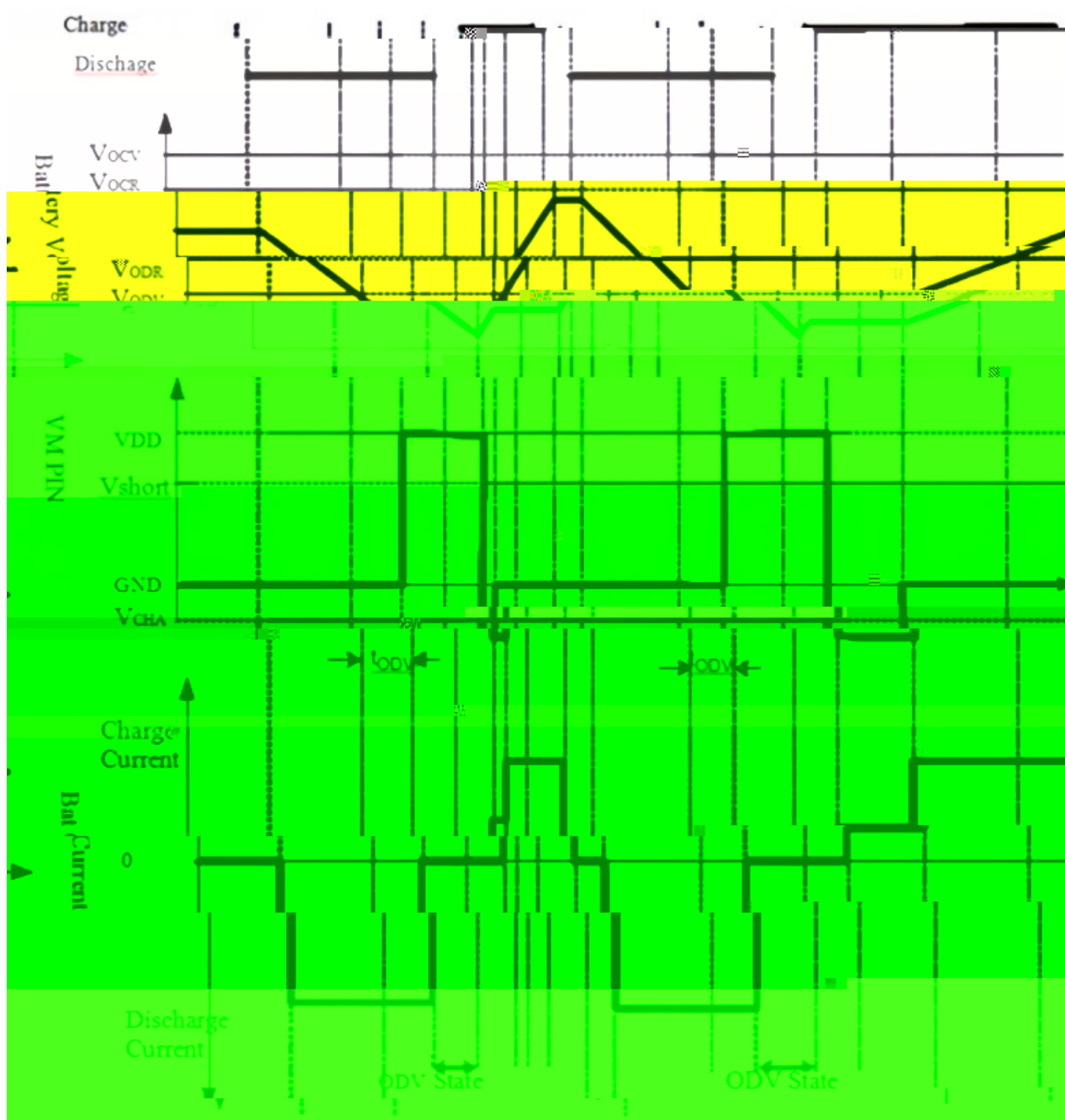
/ Timing Chart

→ → / Overcharge → Discharge → Normal Operation.



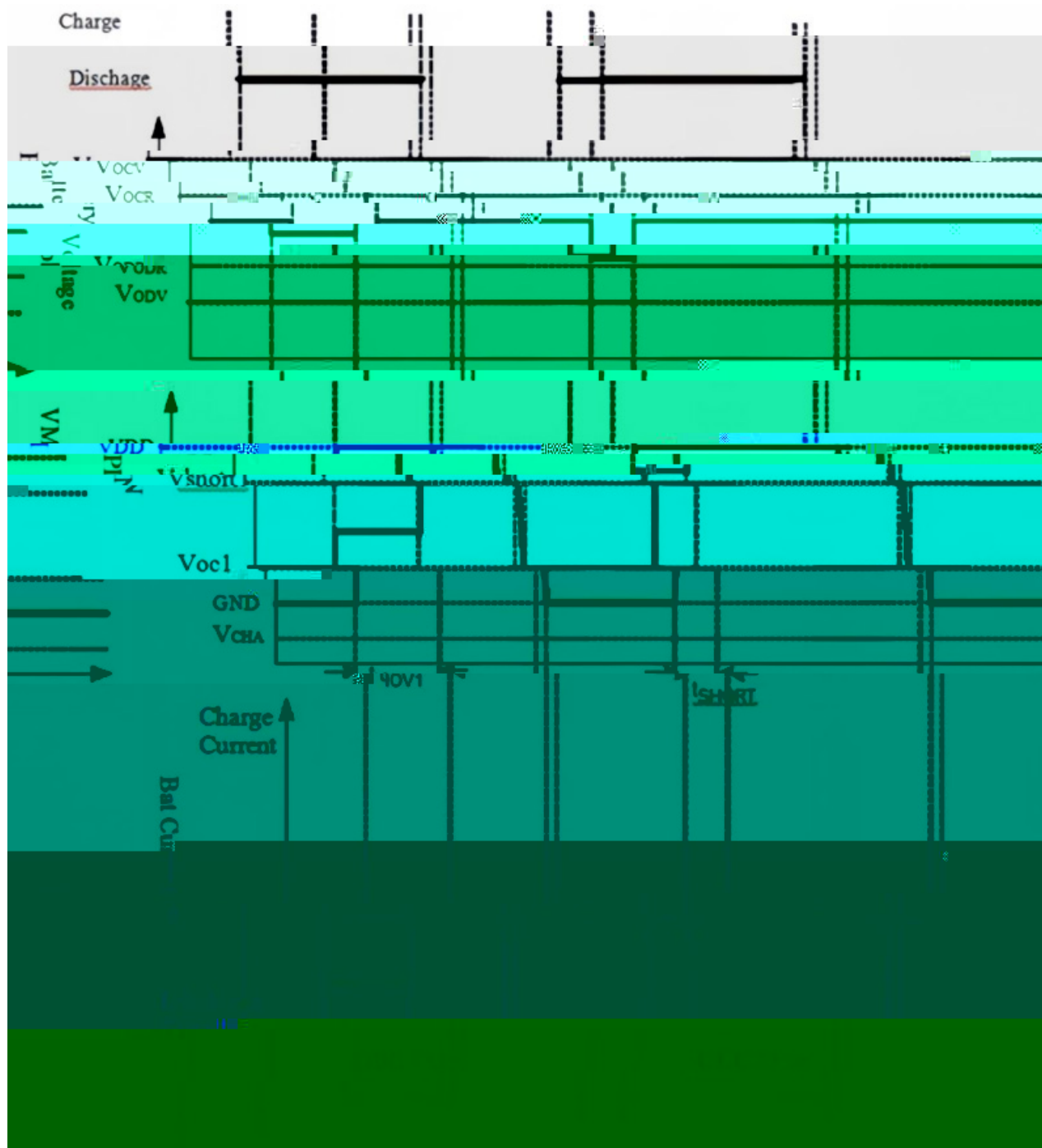
/ Timing Chart

→ / Overdischarge → Charging → Normal Operation.



/ Timing Chart

→ / Discharge Overcurrent → Normal Operation.



BRCL3120CZV

Rev.A Feb.-2026

DATA SHEET

