



CW1051

2~5 Channel Secondary Protection IC

Features

- 2~5 Cells Application
- Overcharge Protection
 - Threshold from 4.100V to 4.500V
 - 25mV Steps, $\pm 25\text{mV}$ Accuracy
- Internal Overcharge Protection Delay Time
- Overcharge Delay Counter Reset Time
- Open Wire Protection
- Low Power Dissipation
 - Normal Working $4\mu\text{A}$ (25°C)
- Package Type: MSOP8L, DFN3*4-8L

Applications

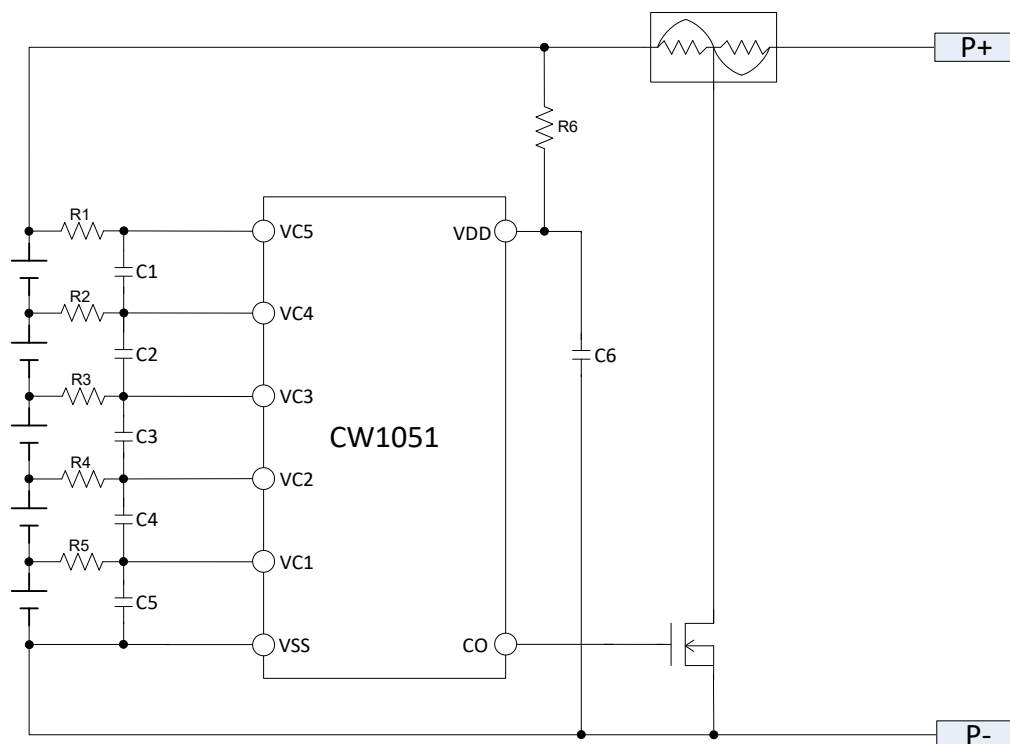
- NoteBook
- Tablet PC
- E-Tools
- Backup Power Supply
- Other Lithium-ion or Lithium Polymer Battery Packs

General Description

The CW1051 series products are highly integrated secondary protection ICs for 2 to 5 lithium-ion and lithium polymer battery cells connected in series. CW1051 provides overcharge protection for battery pack by measuring each cell's voltage.

Application Circuits

For 5 cell connect in series (CMOS, Active H)



Recommended parameter

SYMBOL	TYPICAL	RANGE	UNIT
R1,R2,R3,R4,R5	1000	200~2000	Ω
R6	200	200~1000	Ω
C1,C2,C3,C4,C5	0.1	0.1~0.22	μF
C6	0.1	0.1~0.47	μF