

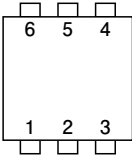
Outline

Features

(Unless otherwise specified, $T_{opr}=+25^{\circ}\text{C}$)

- (1) High-accuracy detection voltage
- | | | |
|----------------------|-------------------------|--|
| • Detection voltage | 4.0V to 5.0V, 5mV steps | Accuracy $\pm$ 20mV, Accuracy $\pm$ 25mV
(Topr= -5°C to $+60^{\circ}\text{C}$) |
| • Hysteresis voltage | 0V to 1.0V, 50mV steps | |
- However, "Detection voltage-Hysteresis voltage $<$ 4.0V" is disabled.
- (2) Range of Detection delay time
- | | |
|------------------------|--|
| • Detection delay time | Selectable from 0.25s, 1.02s, 2.048s, 4.096s |
|------------------------|--|
- (3) Low current consumption
- | | |
|-----------------|---|
| • Normal mode | Typ. $1.5\mu\text{A}$, Max. $3.0\mu\text{A}$ |
| • Stand-by mode | Max. $0.8\mu\text{A}$ |
- (4) Absolute maximum ratings
- | | |
|-------------------------|---|
| • VDD pin | VSS -0.3V to $+12\text{V}$ |
| • OUT pin | VDD -0.3V to VDD $+0.3\text{V}$ |
| • DS pin | VSS -0.3V to VDD $+0.3\text{V}$ |
| • Storage temperature | -55°C to $+125^{\circ}\text{C}$ |
| • Operation temperature | -40°C to $+85^{\circ}\text{C}$ |

Pin Assignment

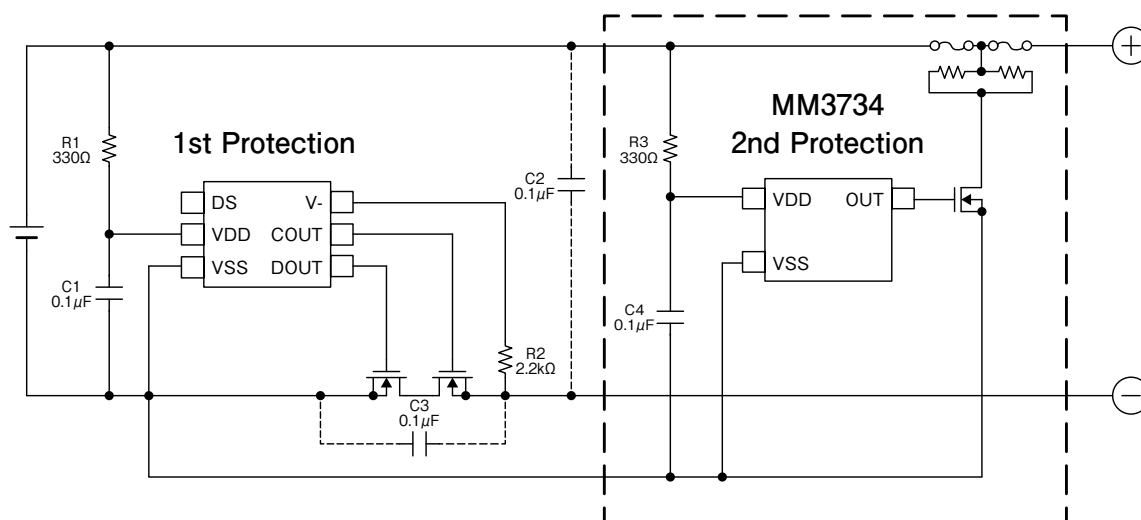
Top view SON-6C	Pin No.	Symbol	Function
	1	NC	No connection
	2	OUT	Output of detecting voltage. Output type is CMOS
	3	DS	Delay shorten terminal
	4	VSS	VSS terminal. Connected to ground
	5	VDD	VDD terminal. Connected to IC substrate
	6	NC	No connection

Product Line up

Product name	Package	Detection voltage	Release voltage	Detection delay time	Release delay time
		Vdet	Vrel	tVdet	tVrel
		V	V	s	ms
MM3734A01YRE	SON-6C	4.500	4.150	2.048	16
MM3734A03YRE	SON-6C	4.550	4.200	2.048	16

Please inquire to us, if you request a rank other than the above.

Application Circuit



- R3 and C4 stabilize a supply voltage ripple. However, the detection voltage rises by the current of penetration in IC of the voltage detection when R3 is enlarged, and the value of R3 is adjusted to 1kohm or less. Moreover, adjust the value of C4 to 0.01 μ F or more to do the stability operation, please.