

MCP4207

70mA

SOT89-5L

MCU

MCP4207

$5.0V < V_{SP} < 42V$

1%

V_{out}

MCP4207L33

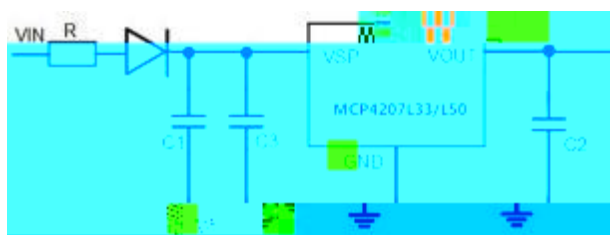
3.3V

MCP4207L50

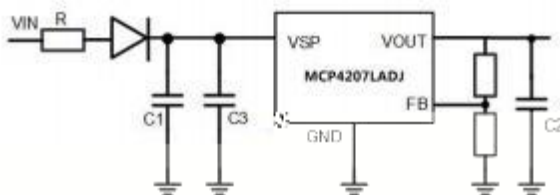
5V

MCP4207LADJ

- 5V 42V
 - 1%
 - 70mA
 - 350mV @ 100mA
 - 80μA 8μA
 - 300mA
 -
 - AEC-Q100
 - RoHs
- BMS
 - /
 -
 -
 -

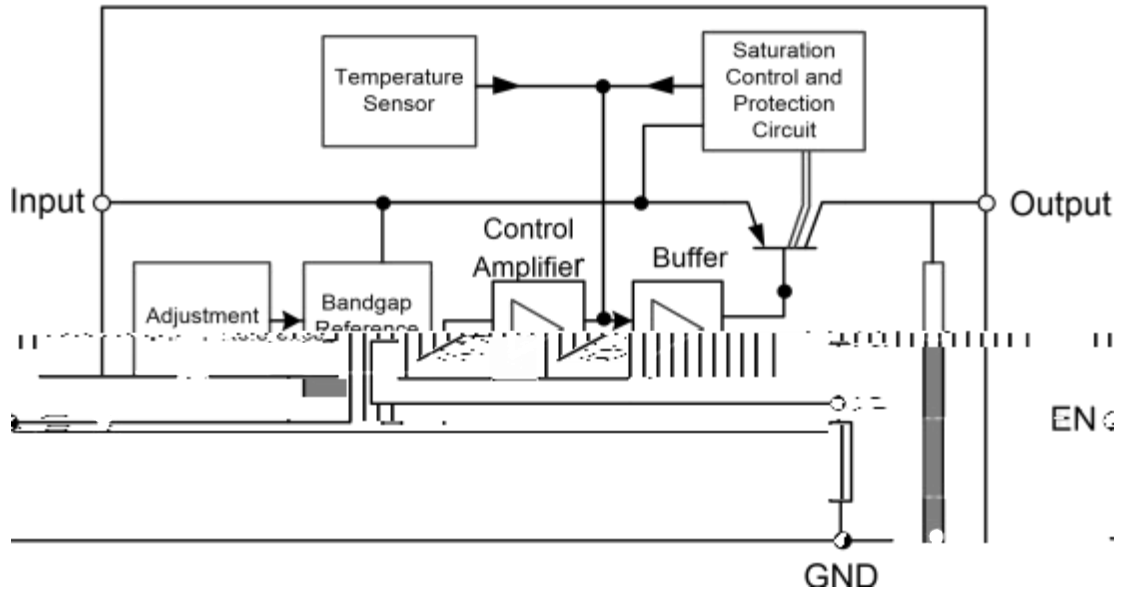


1 MCP4207L33/L50

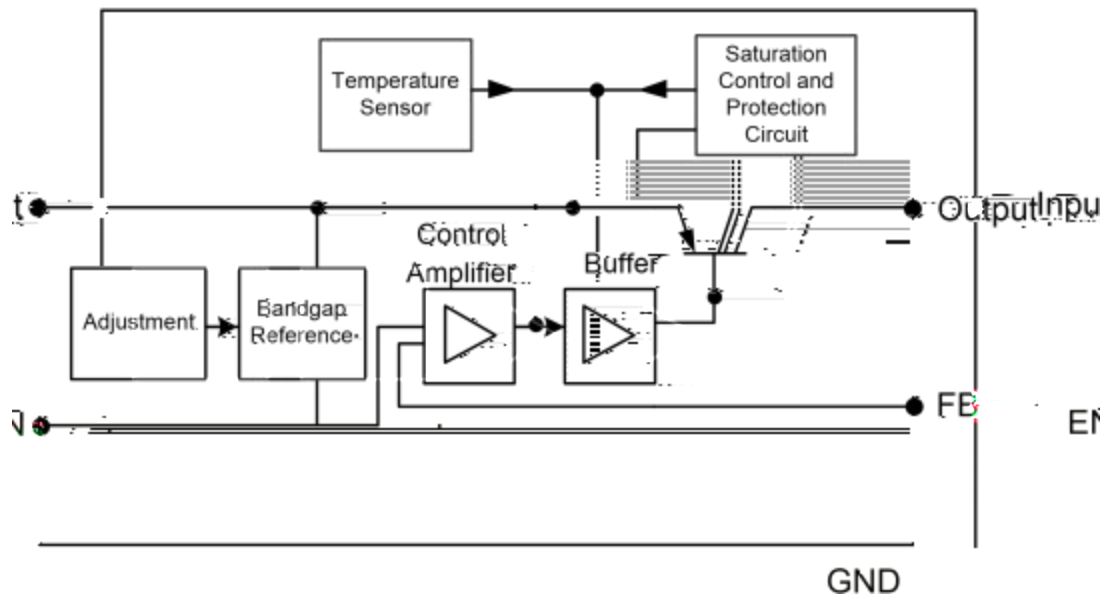


2 MCP4207LADJ

MOS



5 MCP4207L33/L50



6 MCP4207LADJ

VSP	- 0.3V ~ 42V
EN	- 0.3V ~ 42V
FB	- 0.3V ~7V
Vout MCP4207L33	3.27V ~ 3.33V
Vout MCP4207L50	4.95V ~5.05V
Vout MCP4207LADJ	1.25V~20V

[2]

JA	50 /W
.....	- 40 ~150
.....	- 40 ~150

ESD^[3]

V _{ESD_HBM}	- 2000V ~ +2000V
V _{ESD_CDM}	- 300V ~ +300V

.....	5V~ 42V
.....	- 40 ~125

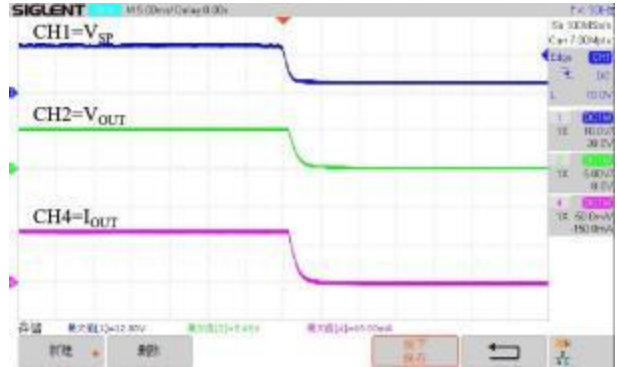
MCP4207LADJ

$T_A=25$

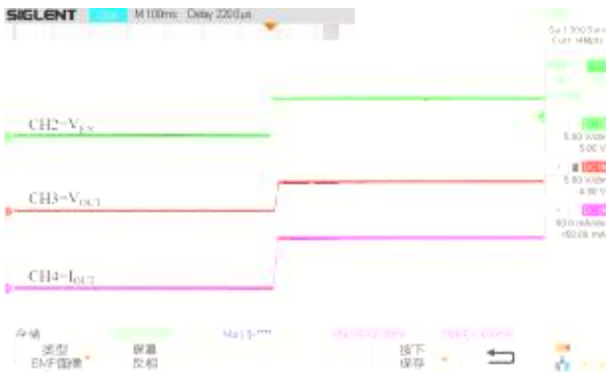
$V_{SP}=12V$ $V_{OUT}=5V$ $I_{OUT}=70mA$



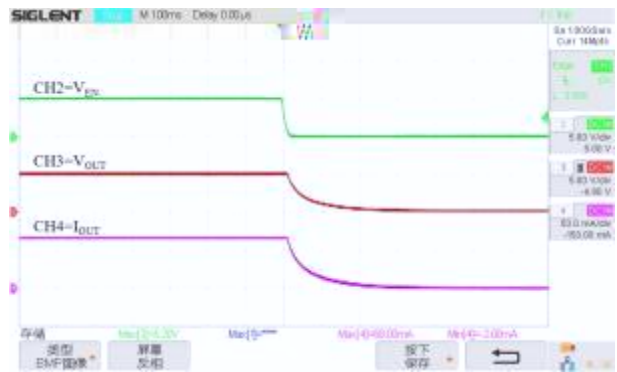
$V_{SP}=12V$ $V_{OUT}=5V$ $I_{OUT}=70mA$



$V_{SP}=12V$ $V_{EN}=5V$ $V_{OUT}=5V$ $I_{OUT}=70mA$



$V_{SP}=12V$ $V_{EN}=5V$ $V_{OUT}=5V$ $I_{OUT}=70mA$



$V_{SP}=12V$ $V_{OUT}=5V$ $I_{OUT}=0mA\sim 70mA$



$V_{SP}=12V$ $V_{OUT}=5V$ $I_{OUT}=70mA\sim 0mA$



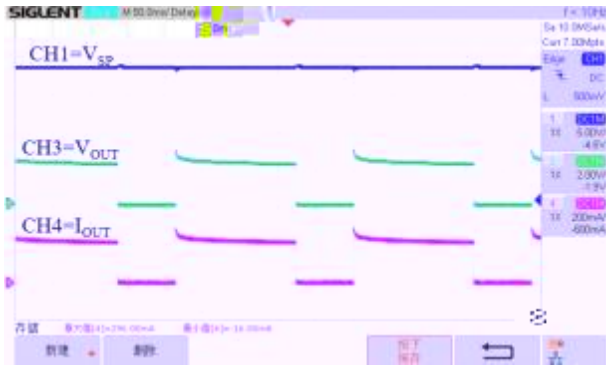
$V_{SP}=13.5V$ $V_{OUT}=5V$ $I_{OUT}=0mA\sim$



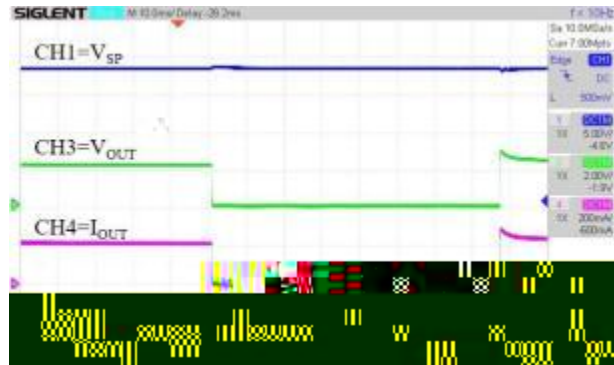
$V_{SP}=13.5V$ $V_{OUT}=5V$ $I_{OUT}=\sim R_L=75$



$V_{SP}=18V$ $V_{OUT}=5V$ $R_L=10$



$V_{SP}=18V$ $V_{OUT}=5V$ $R_L=10$

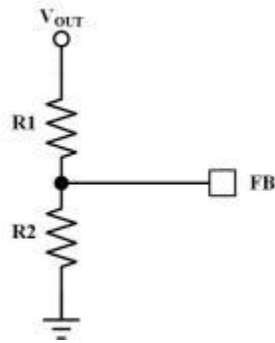


R_1 R_2
 1.25V
 1%

MCP4207LADJ
 $5V < V_{SP} < 42V$

MCP4207LADJ

$$V_{OUT} = 1.25V * \frac{R_1 + R_2}{R_2}$$



$2 \quad R$
 100nF

$C_1 \quad 1$

470uF C_3

MCP4207

$1\mu F$ ESR 4R

10uF

MCP4207

300mA

$$P_D = (V_{IN} - V_{OUT}) \cdot I_{OUT} + V_{IN} \cdot I_{GND}$$

$$P_{D(MAX)} = (T_{J(MAX)} - T_A) / J_A \quad T_{J(MAX)} \quad T_A$$



SOT89-5L

MCP4207L33	SOT89-5L	1000/Tape & Reel
MCP4207L50	SOT89-5L	1000/Tape & Reel
MCP4207LADJ	SOT89-5L	1000/Tape & Reel