

CMOS Switching Regulator (PWM controlled) Monolithic IC MM3005~MM3010

Outline

This IC is a PWM controlled switching regulator developed using the CMOS process. Low ripple and high efficiency of 83% typ. (MM3005E) are achieved through PWM control. Further, output voltage is high precision output $\pm 2.4\%$.

Features

1. Ultra low consumption current 17.2 μ A typ. (during operation) (MM3005E)
2. High efficiency 83% typ. (MM3005E)
3. High precision output voltage $\pm 2.4\%$
4. Wide operating temperature range $-30^{\circ}\text{C}\sim+85^{\circ}\text{C}$
5. Output voltage 2~5.5V (0.1V can be set in 0.1V steps)

Package

SOT-25A (Mini mold)

Applications

1. Mobile phones, PHS
2. Portable MD
3. Other battery-operated portable equipment

Block Diagram

■ MM3005

