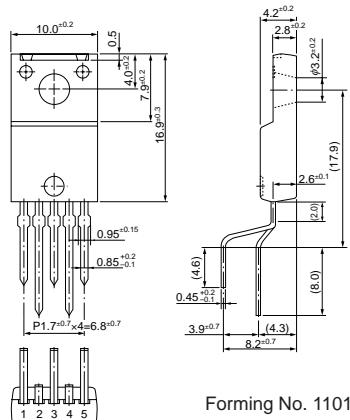


External Dimensions (TO220F-5)

(Unit : mm)

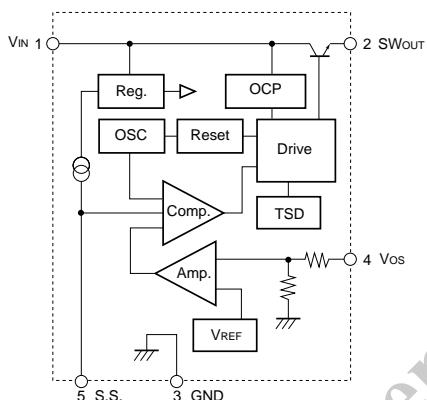
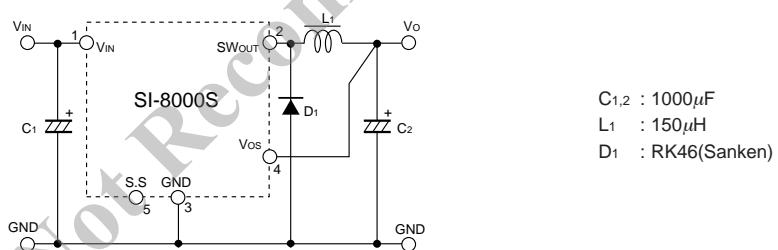
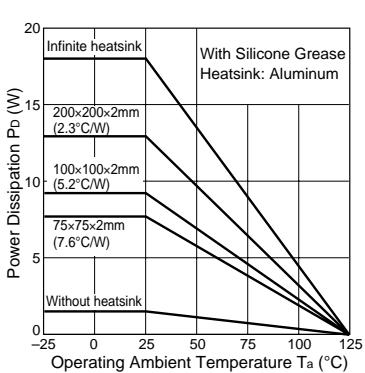
**Pin Assignment**

- ① VIN
- ② SWOUT
- ③ GND
- ④ Vos
- ⑤ S.S

Plastic Mold Package Type

Flammability: UL94V-0

Product Mass: Approx. 2.3g

Block Diagram**Typical Connection Diagram****Ta-Pd Characteristics**

$$P_D = V_O \cdot I_O \left(\frac{100}{\eta \chi} - 1 \right) - V_F \cdot I_O \left(1 - \frac{V_O}{V_{IN}} \right)$$

The efficiency depends on the input voltage and the output current. Therefore, obtain the value from the efficiency graph and substitute the percentage in the formula above.

- V_O : Output voltage
- V_{IN} : Input voltage
- I_O : Output current
- $\eta \chi$: Efficiency (%)
- V_F : Diode D1 forward voltage
0.5V(RK46)

Thermal design for D1 must be considered separately.