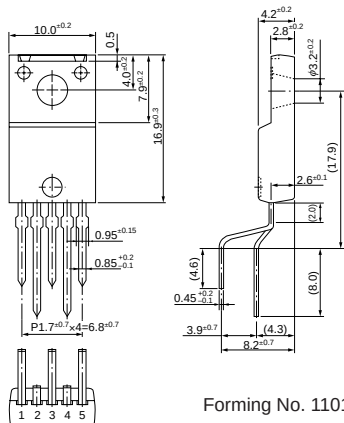


External Dimensions (TO220F-5)

(Unit : mm)



Forming No. 1101

Pin Assignment

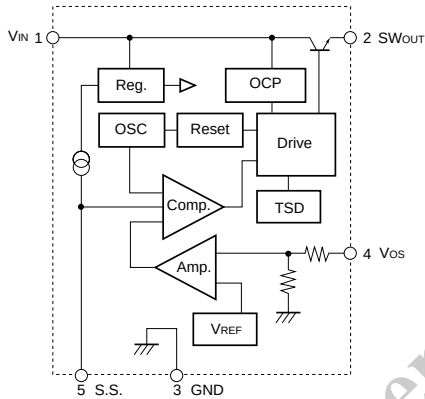
- ① V_{IN}
- ② SW_{OUT}
- ③ GND
- ④ V_{OS}
- ⑤ S.S.

Plastic Mold Package Type

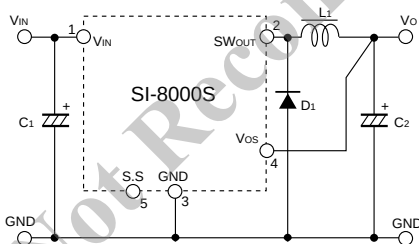
Flammability: UL94V-0

Product Mass: Approx. 2.3g

Block Diagram

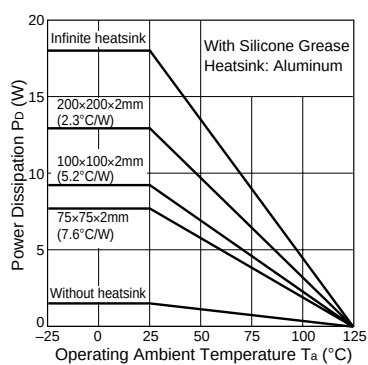


Typical Connection Diagram



$C_{1,2}$: 1000 μ F
 L_1 : 150 μ H
 D_1 : RK46(Sanken)

T_a - P_D 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 D_1 forward voltage
 0.5V(RK46)

Thermal design for D_1 must be considered separately.