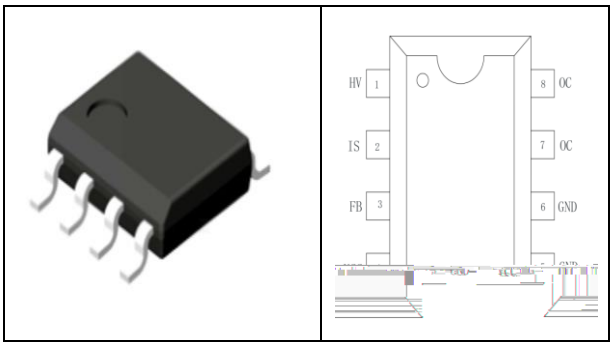


HV 1
IS 2
FB 3
8 OC
7 OC
6 GND

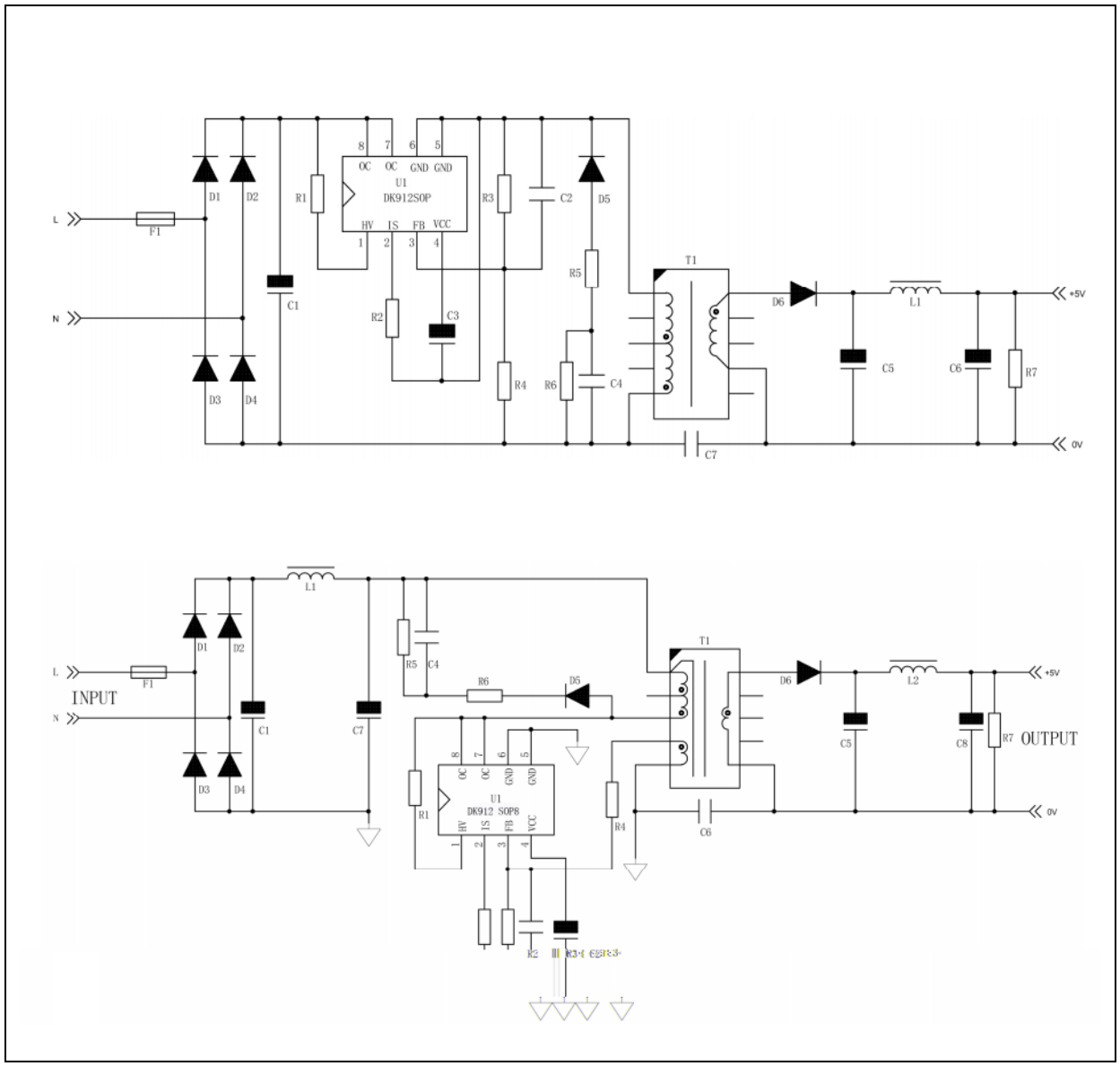
$$V_{OUT} \approx \frac{V_{OR}}{N_{PS}} * \frac{R_2}{R_1} - V_d$$

$$Po\max \approx \frac{1}{4} * Ip\max * N * Vout$$

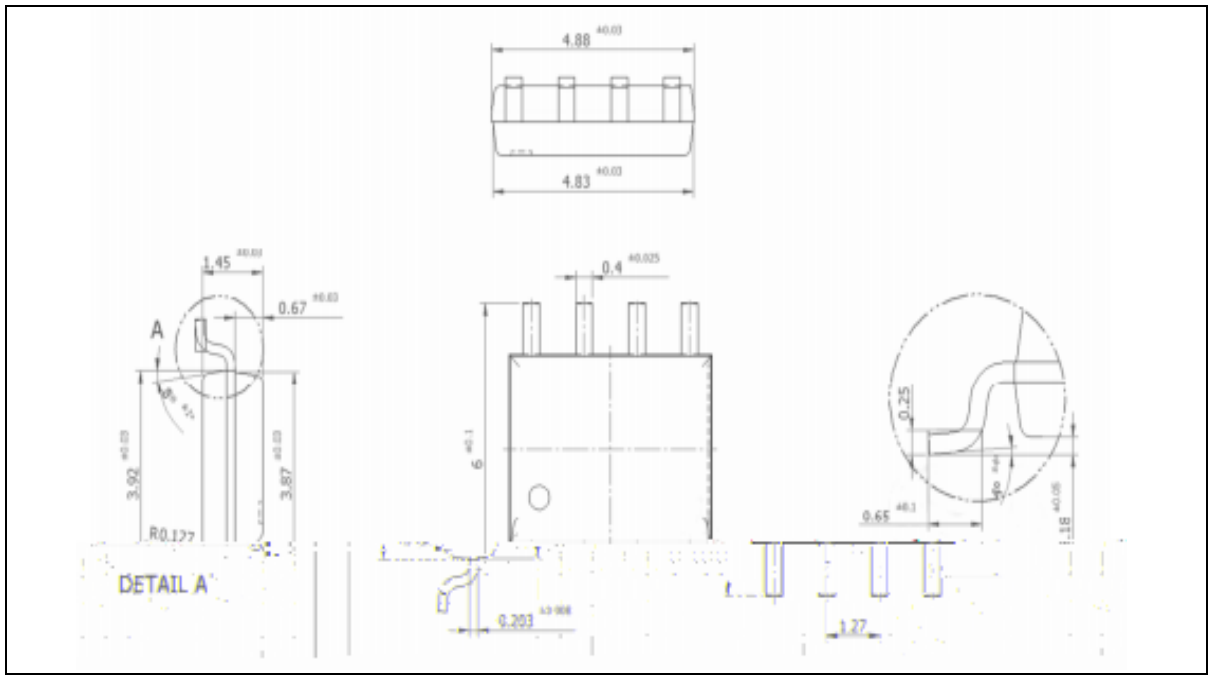
$$Fs\max = \frac{N * Vout}{2 * Lp * Ip\max}$$

$$\frac{N * Vout}{\max * Ip\max} \qquad Lp\min = \frac{N * V_{OR}}{2 * Fs}$$

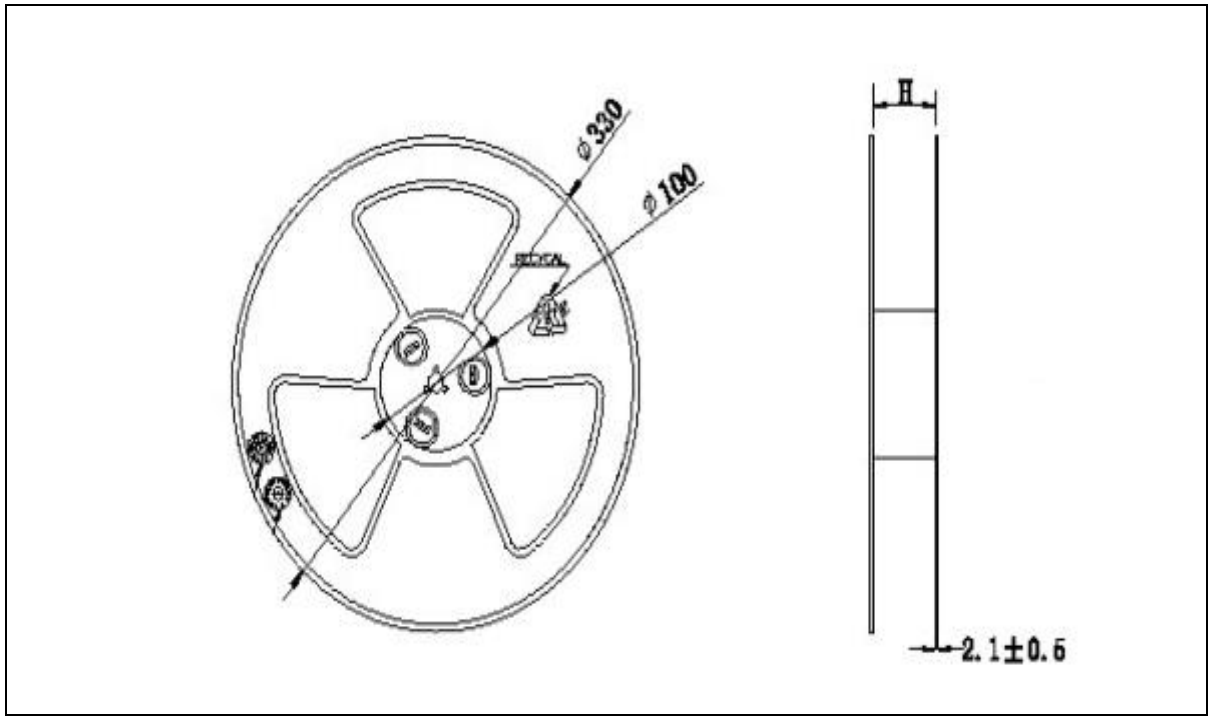
$$Fs\max = \frac{N * Vout}{2 * Lp * Ip\max}$$


L
N
F1
D1
D2
D3
D4
C1
R1
U1
DK912SOP
OC OC GND GND
HV IS FB VCC
R2
C3
R3
C2
D5
R5
R4
R6
C4
T1
C7
D6
L1
C5
C6
R7
+5V
0V
INPUT
L1
R5
C4
R6
D5
T1
D6
L2
C5
C8
R7
OUTPUT
C6
U1
DK912 SOP8

1.


4.88
4.83
1.45
0.67
A
3.92
3.87
R0.127
DETAIL A
0.4
6
0.203
0.25
0.65
1.27

2.


φ330
φ100
H
2.1±0.6

-
-
-
-
-
-