

SM8502

431
 0.3W@265VAC
 ±5% ±10%

LEB

HDIP4 SOP8

PDA MP3

LED

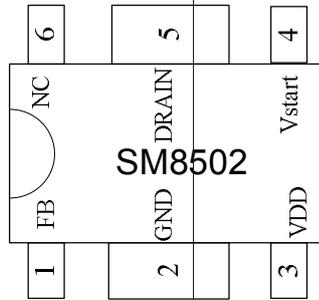
SM8502

AC/DC

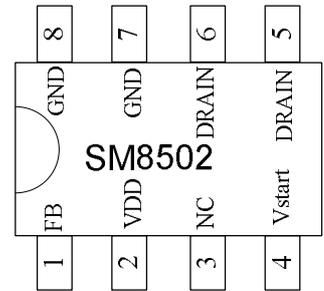
431

± 5%

± 10%



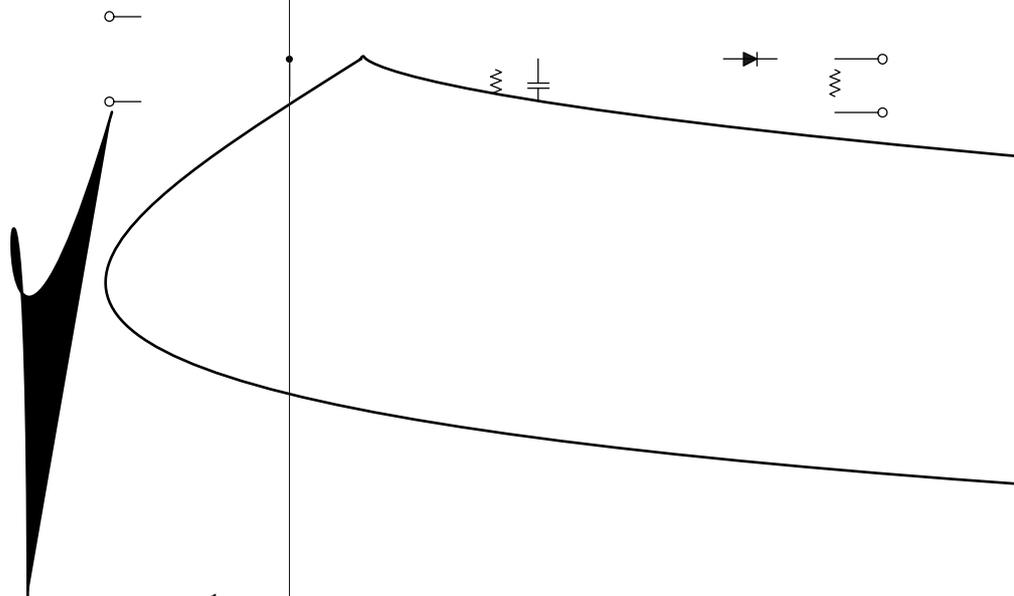
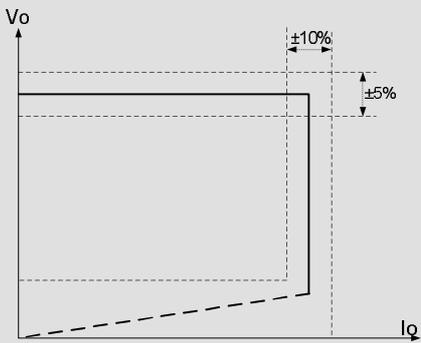
HDIP4

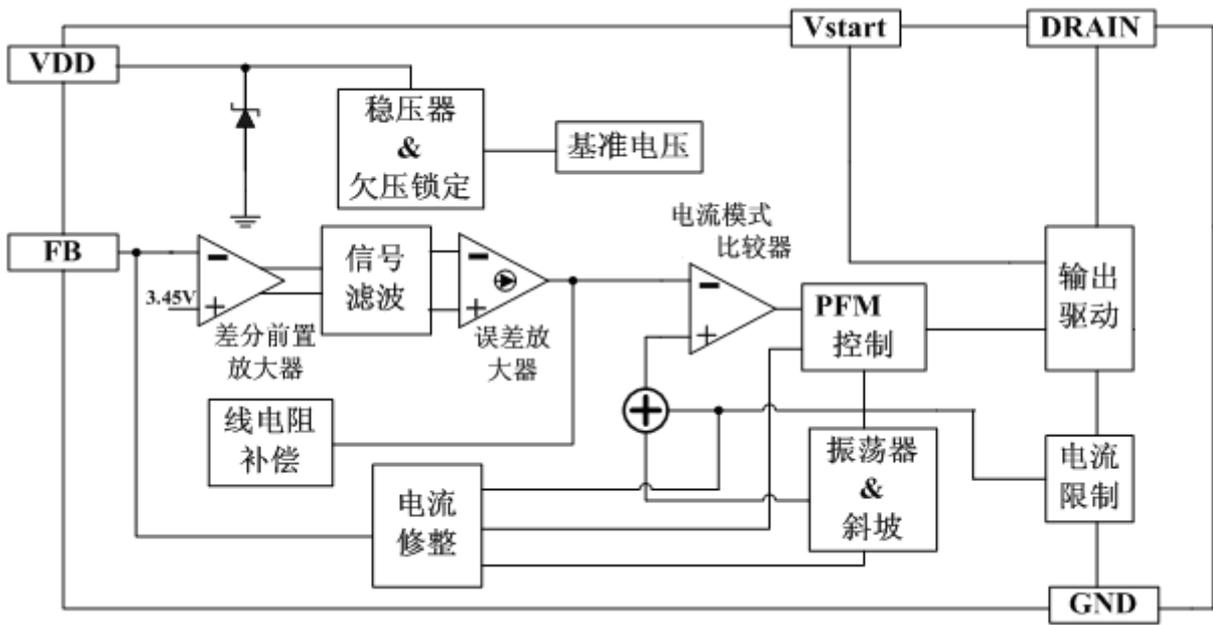


SOP8

(AC85V~AC265V)

HDIP4	7W	5W
SOP8	5W	3W





	HDIP4	SOP8	
FB	1	1	FB
GND	2	7 8	
VDD	3	2	
Vstart	4	4	
DRAIN	5	5 6	
NC	6	3	

T_A= 25

V _{DRAIN}	DRAIN	700	V
V _{DD-GND}	VDD	-0.3 23.5	V
I _{DD}	VDD	10	mA
V _{FB-GND}	FB	-0.3 6.0	V
R _{θJA}	HDIP4	90	/W
	SOP8	130	/W
T _{OP}		-20 85	
T _{stg}		-40 150	
ESD	HBM	>2000	V

(T_A=25)

VDD						
I _{DDSTART}		VDD=15V	-	18	26	μA
I _{DDOP}		VDD=V _{DDON} +0.3V	-	1.1	2.0	mA
V _{DDON}	VDD		17	19	22	V
V _{DDOFF}	VDD		7.5	8.0	8.6	V
V _{DDOVP}	VDD		18.0	20.5	23.5	V
FB/SW						
V _{FB}	FB		3.35	3.46	3.55	V
F _{OSC}			-	55	-	KHz
I _{LIM}			-	440	-	mA
T _{OTP}			-	155	-	

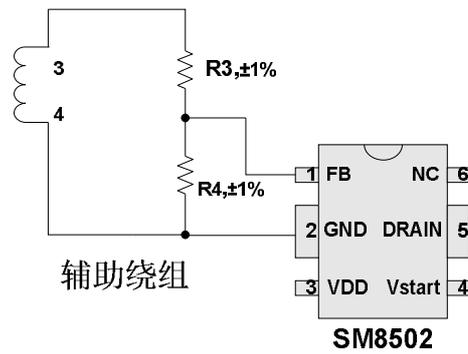
SM8502

AC/DC

(CV)

(CC)

$$V_{OUTCV} = V_{FB} \times \left(1 + \frac{R_3}{R_4}\right) \left(\frac{N_s}{N_A}\right) - V_F \quad (1)$$



N_s N_A

R_3 R_4

V_F

$$\frac{1}{2} \times L_p \times I_{LIM}^2 \times \eta$$

L_p

I_{LIM}

η

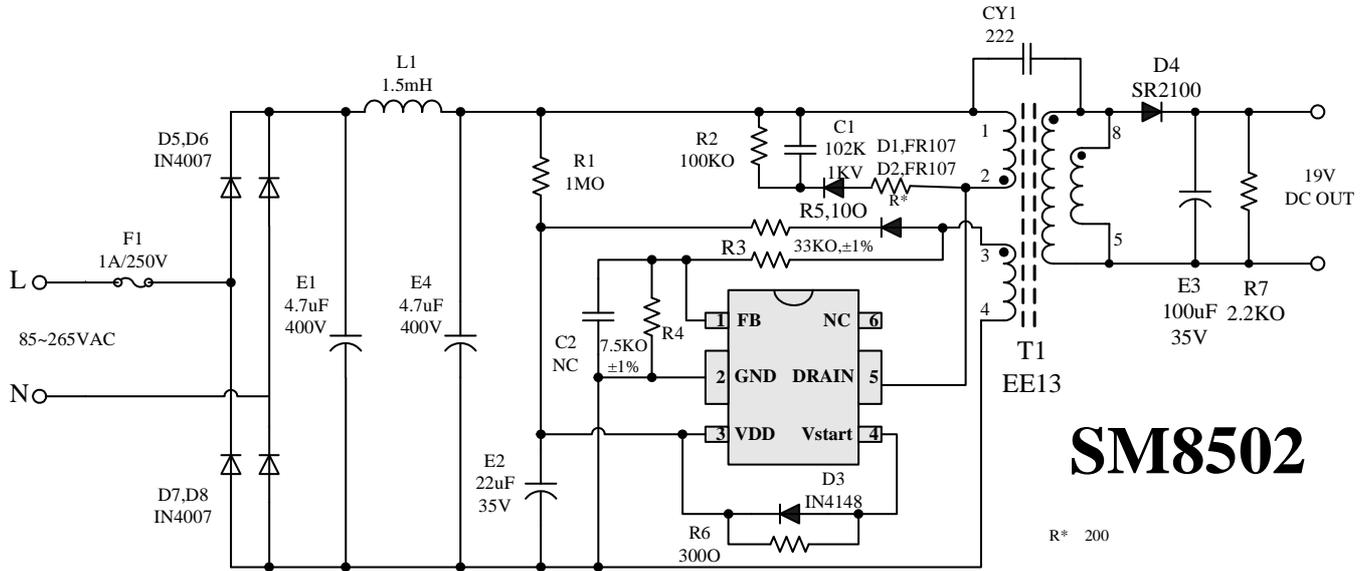
$$I_{OUTCC} = \frac{1}{2} L_p \times (I_{LIM})^2 \left(\frac{\times F_{osc}}{V_{OUTCV}}\right) \quad (2)$$

F_{osc}

V_{OUTCV}

SM8502

SM8502 19V/330mA--LED



SM8502

R* 200

SM8502 19/330mA --LED

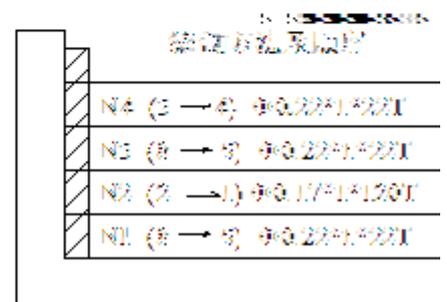
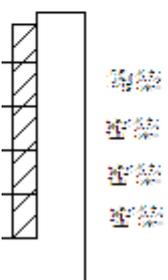


● 接线

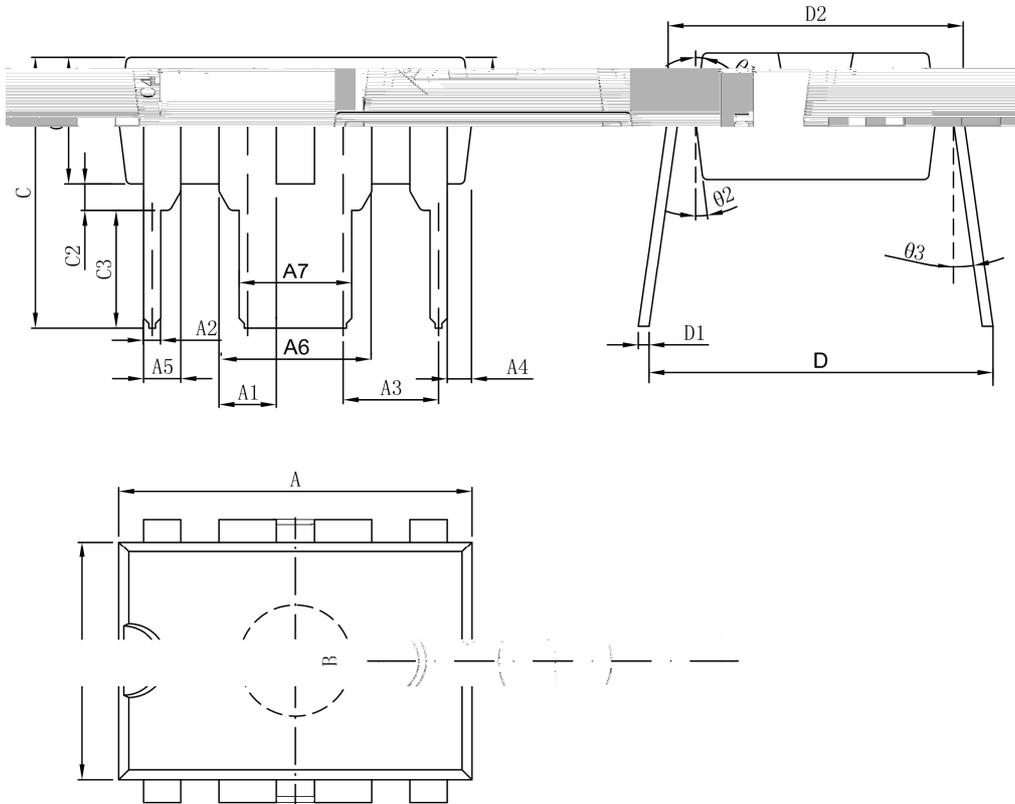
□ 绝缘空套管

绝缘漆上

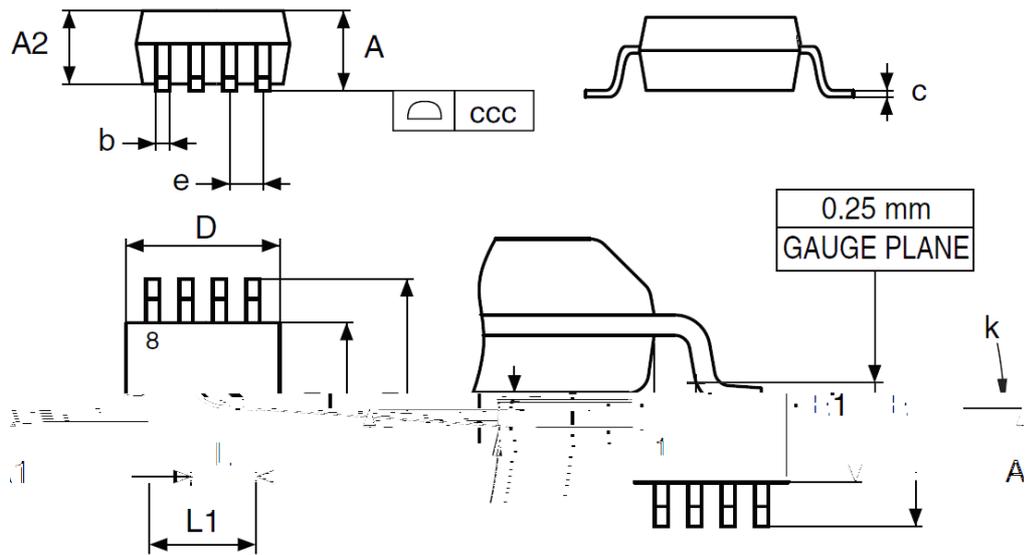
1. 初级绕组接在 0-220V 交流
2. 初级绕组匝数 (1-1) 110T 和 22T 匝数 (1-1) 22T
3. 初级绕组匝数 110T 和 22T 匝数 (1-1) 22T
4. 初级绕组匝数 110T 和 22T 匝数 (1-1) 22T
5. 初级绕组匝数 110T 和 22T 匝数 (1-1) 22T
6. 110V 绝缘与绝缘之间 1mm 漆, 最大 100mS
7. 110V 绝缘与绝缘之间 1mm 漆, 最大 100mS



HDIP4



REF.	Size	MIN(mm)	MAX(mm)	REF.	Size	MIN(mm)	MAX(mm)
A		9.30	9.50	C1		3.30	3.50
A1		1.524		C2		0.50	
A2		0.39	0.53	C3		3.3	
A3		2.54		C4		1.57TYP	
A4		0.66TYP		D		8.20	8.80
A5		0.99 TYP		D1		0.20	0.35
A6		4.064		D2		7.62	7.87
A7		2.997		theta 1		8°TYP	
B		6.3	6.5	theta 2		8°TYP	
C		7.20		theta 3		5°TYP	



DIMENSIONS						
REF.	mm			inch		
	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
A			1.75			0.0689
A1	0.1		0.25	0.0039		0.0098
A2	1.25			0.0492		
b	0.28		0.48	0.011		0.0189
c	0.17		0.23	0.0067		0.0091
ccc			0.1			0.0039
D	4.8	4.9	5	0.189	0.1929	0.1969
E	5.8	6	6.2	0.2283	0.2362	0.2411
E1	3.8	3.9	4	0.1496	0.1535	0.1575
e	∅	1.27	1.27	0.0157	0.05	0.05
h	0.25		0.5	0.0098		0.0197
k	0		8	0		8