

6W

DK106

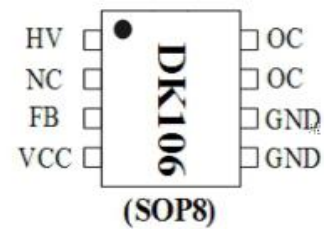
AC-DC

CMOS

- 85V—265V
- 700V
-
- 0.3W
- 65KHz PWM
-
-
-
- LED
-
- DVD
-
-
-
-
- (< 0.3W)
-
-
-
- 4KV EMI ESD



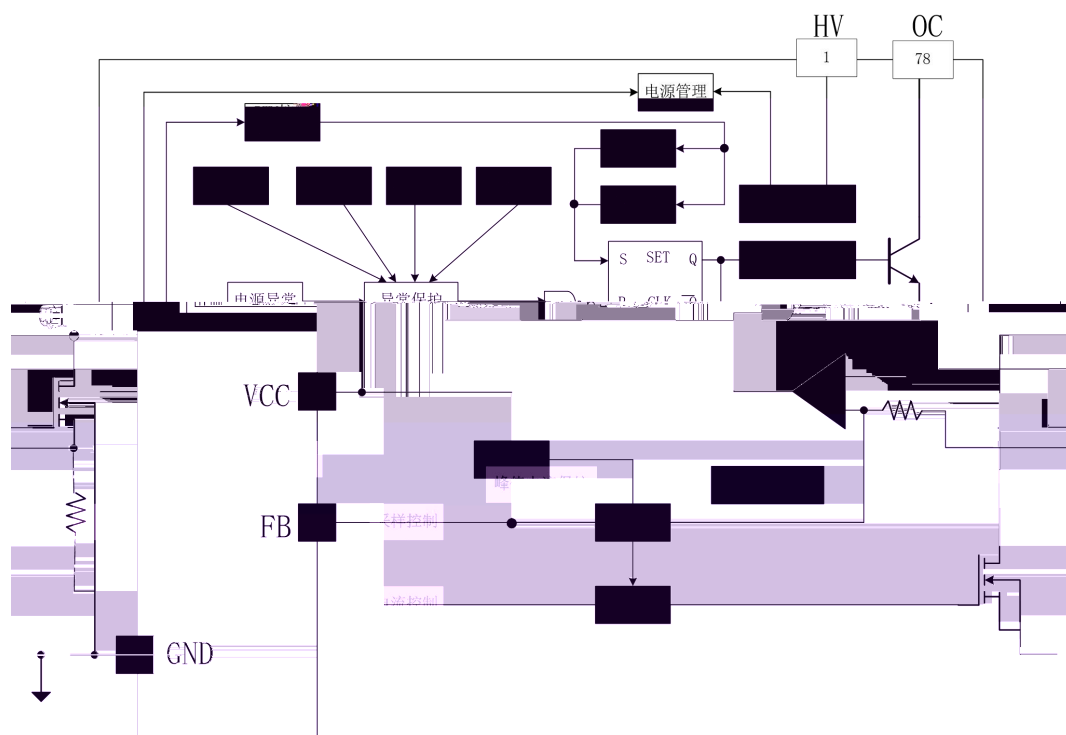
SOP8



DK106	230VAC	6W	9W
	85-265VAC	6W	6W

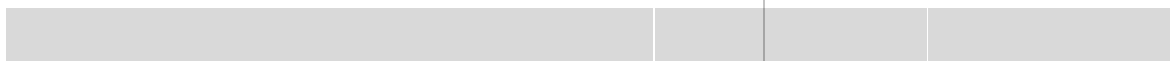
- 1. 45
- 2. 45

1	HV	2.2M
2	NC	
3	FB	1nF 10nF
4	VCC	10uF 47uF
7,8	OC	
5,6	GND	



VCC	U_S	-0.3		8	V
VCC	I_S		100		mA
	U_{PV}	-0.3		VDD+0.3	V
	U_{PP}	-0.3		730	V
	I_{PEAK}			400	mA
	P_{TOT}		600		mW
	T_R	-25		125	
	T_{STG}	-55		150	
			280/5S		

$T_A = 25$



VCC	AC	85V-----265V		4.7		V
VCC	AC	85V-----265V		4.9		V
VCC	AC	85V-----265V		3.4		V
VCC	AC	85V-----265V		5.8		V
VCC	VCC=4.7V	FB=2.2V	10	20	30	mA
	AC	265V			1.2	mA

	VCC=5V FB=1.6V--3.6V	120	125	130	
	VCC=4.7V		250		ns
	VCC=4.7V		500		ns
	VCC=4.7V FB=1.6V--3.6V	5		75	%
				270	mW

1.

VDD VDD
 VDD 4.9V , VDD
 PWM

2.

4ms 4ms 165mA 65K
 330mA 65K

3. PWM

PWM 3 :
 $T1 = LP * IP / Vin$
 $T1 = LP * IP / Vvor$

OC $T = 2 (LP * COC)^{1/2}$ 65KHz FB

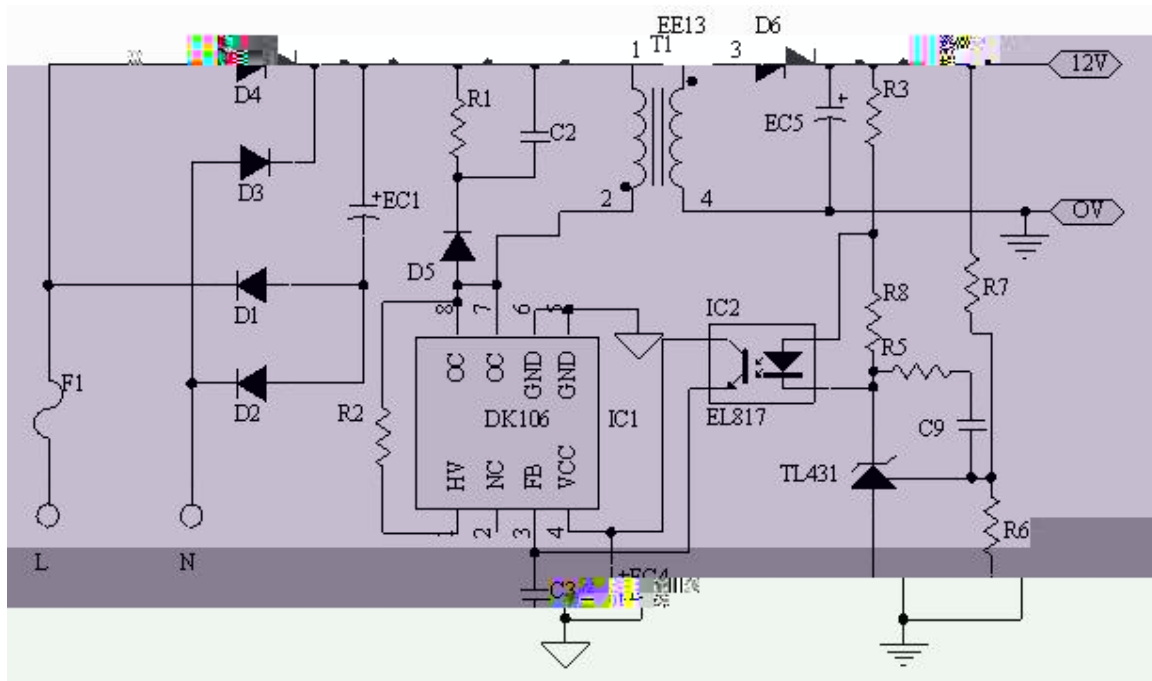
4. FB

Fb Fb
 1nF 10nF
 Fb 1.6V, Ip 330mA
 Fb 1.6V 2.8V Ip 330mA

$IP = T1 * Vin / LP$ $T1 \text{ min} = 500ns$

Fb 1.6V 2.8V, 65kHz Fb 2.8V 3.6V FB

	Fb	3.6V	PWM
5.		VDD	4.7V
6.	125		
7.	80mA		PWM 500ns
8.	VCC	3.4V	
	VCC	5.8V	VCC
9.	FB	1.5v	
500ms	FB	500ms	FB 500ms
	1.5v,		PWM
	32ms,		
10.	OC	>610V,	PWM
			OC <610V
11.		stop=1	PWM
			500ms
VCC	4.6V	500ms	500ms





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