

## 2F

PN8680M is a MOSFET-based power switcher. It features a 650V MOSFET, a TL431 precision centrer-zero reference, and a 6G 230VAC input. The device is designed for high efficiency and reliability, with a 64x7x7mm package. It includes various protection features such as over-temperature protection (OTP), under-voltage lockout (UVLO), over-voltage protection (OVP), feedback (FB), and current sense (CS). The device is available in a SOP-8 package.

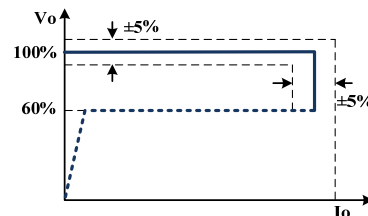
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- v +e"•u+e ~
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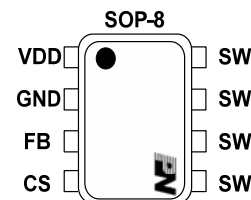
### x ñ(© ±

- v µ5ž650VQ M Y7- È ¢7- ï). MOSFET
- v µ5žQ » \_ Ø+eD È ? ¼ 50mW0ªE- •6G Ä230VAC Ä
- v G÷+X J Q ? ° \_ Q x). È% Cã 64x7- x 7 ö
- v ~+e »EÄ •93 \$ ±5%´ CC/CV2i Ö
- v ĪEé ýO, -1 y6V ¼ TL431
- v , » Ä ,#q ÄEÄ \*4i>• - FG B3
- v MONÍ F>• -+e é
- v N#NÁ š
- v ¢7- Ô ĩ7-
  - E÷\$Y Ô (OTP)
  - VDDIP » &E÷ » Ô (UVLO&OVP)
  - F@ ~ OE÷#q Ô (OCP)
  - CS0/.D Ô (CS O/SPÄ
  - 0)ß Ô (OLP)

### EÄ \*(© W



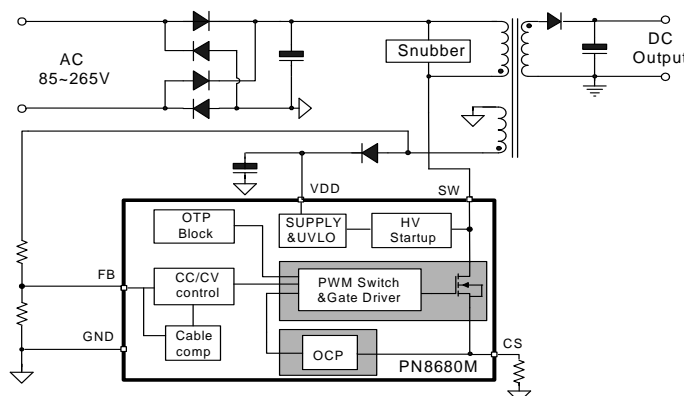
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		85~265V <sub>AC</sub>
PN8680MSEC-R1	SOP-8	12W

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#(B Ä

### " » Ä+X



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VDD	1	œ+e »EÃ • E7J
GND	2	`+e }
FB	3	ýO, E7J ÊEµ Û5 4ô+e »FJE÷+eLk ý O,0c ÊEÃ *
CS	4	



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PN8680M

Chipown



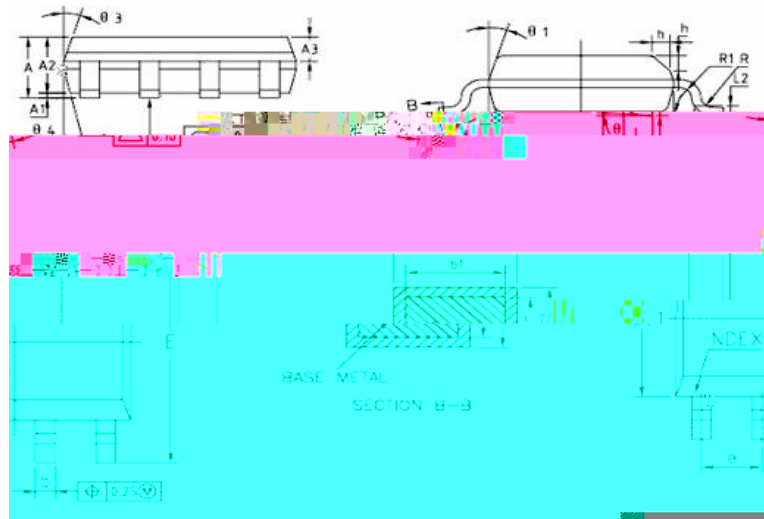
## 5. 5F0;4i56>• - I7-

4i56>• - Q ‡FJE‡B E7JEÄ \* 0D >• -+e  
#q È#q •6 »+eLk È². 3 p/j Èi +e » ýO, l È  
-EÄ \*4i •»L} Ç `>• -Ä fCOE- p% E-ÿ ?  
`0ºE- & È4i •»L} •< g ÿ ? Ä PN8680MFJE÷  
AîžžFB+eLk, ´Lk l B3 ¢4i>• -, ´ u Ö ÄB3 ¢  
u Ö œ ? ²; Ö



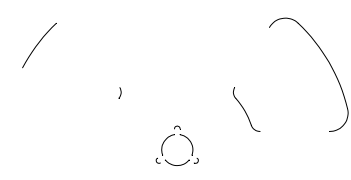
## 1>ö Ÿ

SOP-8 1>ö F' ú j(



1V' \ j(	0 ? (mm)	! h (mm)	0 W(mm)	1V' \ j(	0 ? (mm)	! h (mm)	0 W(mm)
A	1.35	1.55	1.75	L	0.45	0.60	0.80
A1	0.10	0.15	0.25	L1	1.04REF		
A2	1.25	1.40	1.65	L2	0.25BSC		
A3	0.50	0.60	0.70	R	0.07	—	—
b	0.38	—	0.51	R1	0.07	—	—
b1	0.37	0.42	0.47	h	0.30	0.40	0.50
c	0.17	—	0.25		0°	—	8°
c1	0.17	0.20	0.23	1	15°	17°	19°
D	4.80	4.90	5.00	2	11°	13°	15°
E	5.80	6.00	6.20	3	15°	17°	19°

## 5F V ú ŠEα Ě



SOP-8 Package									
A (mm)	T (mm)	T1 (mm)	H (mm)	ØC (mm)	ØD (mm)	d (mm)	A0 (mm)	B0 (mm)	K0 (mm)
330±1.0	3 +1/ 0	12.4 +1/ 0	100±0.5	12.00 +0.5/ 0.2	17.70 ±0.40	2.00 +0.5/ 0.2	6.60 ±0.1	5.2±0.1	1.9±0.1
W (mm)	F (mm)	E1 (mm)	P0 (mm)	P1 (mm)	P2 (mm)	ØD0 (mm)	ØD1 (mm)	Pin 1 Quadrant	
12.00 ±0.1	5.50±0.1	1.75 ±0.10	4.00 ±0.10	8.0 ±0.1	2.0 ±0.1	1.5 +0.1/ 0	1.55 ±0.05	UL	

7# Ö

1. !" f . =4ÿFJ. F >|B3 α ;
2. p 9 j ( \_" 2£ œ f, ' 70 l x
3. !" f . !MŽ 9 U l" » È D õ Ě ò63 Ä Ò g 6,,3+8ß ;K0 ^ >~9ç Ç \$ J4ö8² x
4. !" 4 n » ò Ě ò63 Ä

## Gý?± >

KQ8ß ; þ+e €6Ñ - 9L€ œ ( +%o \$ i?ô l, ' s Y È ... = >|FJ. Ä KQ8ß ; þ+e €6Ñ - 9L€ œ ( ) +  
... 6 l x ñ+X ¾(©!º- , ' >|j = ¯ õ + ...CS + È KQ8ß ; þ+e €6Ñ - 9L€ œ ("Ñ 9 j+X ¾(© È- , ' x  
ñ È ¯+X ¼ Ä+X \_ 1, ' y Ñ Ä KQ8ß ; þ+e €6Ñ - 9L€ œ ( = JEœAÙ ! C YAè ú + ... ! , '-( £  
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