

# *GH1881 31 M*

## *·K7 Ž ÁMC J f5α V U Ž*

### *Ý ÷?ú r œ*

J›Lñ+e € +‰o x ñ ú !?ò l-, ' \$ i s È ij Ò g È \$ H/ð, ' x ñ È?ò l-9 9 \$ i È ... = >|FJ. Ä XC] \?ò  
l-pAàE-, ' x ñ & ÈB'N' x AJ›Lñ+e €, 'K0 ^G L .žAÔ 0 à Ý Ä  
J›Lñ+e € 0-\$8\$ È ¼ Q x ñ, 'CXGÿ ¼ M•W Èf6< È+ ... z, f x ñ X(@ È ' & ;G- 9 0 È, ' a x F +O uLì, ' 7- È  
Ò g 9CS + X ^+XJ›Lñ+e € x ñF >| x ñ.D & È U l 9—) Ä?ò l-, '?±"r ^+X x ñ È | XF >|3+5 AíAÑ ¼ ð j fFP &F¥  
, ' 1~7 ö !G÷ 1~Ú í È F }%œ X aCUNpL™ ÄFP @ êDÛ T ä FCR x • a1y ö á Ä ² ì \_ j Ò g =!“.ž ^+XJ›Lñ+e €  
x ñ6<FP @, ' êDÛ T ä ÄCR x • a1y ö á ÈJ›Lñ+e € = ÷ ò + ...CS + Ä  
| x ñ k?± Ä+X %#, Ci2« ¼ J2«+e € x ñ ] È ² ì Ò g 6 \ x ñ Ä+X ¼ F – Ä k+Ç Ä È » Ä8Z Y1y?±"r ±Q CXGÿ Ä ±  
Q M•W, 'N¶ , ' x ñ ] È !%œ X aCUNpL™ pFP @, ' êDÛ T ä ÄCR x • a1y ö á ÈJ›Lñ+e € = ÷ ò + ...CS + Ä  
|?ò l-p 5 [, ' Ý ö œ j \ x ñ, ' Ä+X 7 ‡ È"Ñ 9 + ... C Y ¼. Aö x s, 'Aè Ç/j È ² ì Ò g á(ß ¶1\ 9 é, ' C Y  
¼. Aö x s ÈJ›Lñ+e € = ÷ ò + ...CS + Ä  
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J›Lñ+e € 0 ° (:#§) 9L€ œ (, ' œ (=0 Ä í 7 w j›Lñ+e € 0 ° (:#§) 9L€ œ ( X ]-, ' v 7 F# ¼ v 7 Ä

5• p Ö <http://www.golden-chip.com/>  
E-mail: [sales@golden-chip.com.cn](mailto:sales@golden-chip.com.cn)  
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+eB Ö+86-21-34140399 P-O Ö+86-21-64515171  
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GH1881

.K7 Ž ÁMC J f5α V U ž

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 \* CMOS8 𐄂 𐄂.  
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◆ 𐄂

- CMOS °
- 𐄂 𐄂 3.2~24V
- 𐄂 𐄂 -40~125
- 𐄂 𐄂 𐄂
- 0 𐄂 𐄂 25mA
- SIP-3L/TO-92S 𐄂 SOT23-3L 𐄂 ? SOT23 1 𐄂

◆ 𐄂

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◆ A 𐄂

𐄂	𐄂	𐄂	𐄂 𐄂	𐄂	𐄂	𐄂
GH1881KUA	K (𐄂 1)	UA (𐄂 2)	3.2~24V	𐄂 1 ^	1000 𐄂	𐄂 x
GH1881KSW	K	SW (𐄂 3)	3.2~24V	ü ±K1 ^	3000 𐄂 -	𐄂 x
GH1881KSE	K	SE ( 7# 4)	3.2~24V	ü ±K1 ^	3000 NÇ-	Ê f

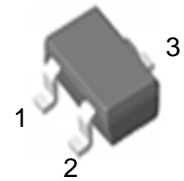
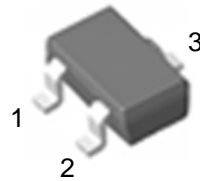
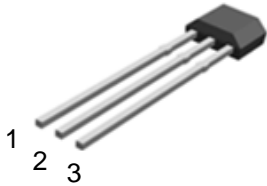
𐄂 1) K 𐄂 𐄂 -40 125°C 2) UA 𐄂 SIP-3L/TO-92S  
 3) SW 𐄂 SOT23-3L× 4) SE 𐄂 SOT23

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UA: SIP-3L(TO-92S)

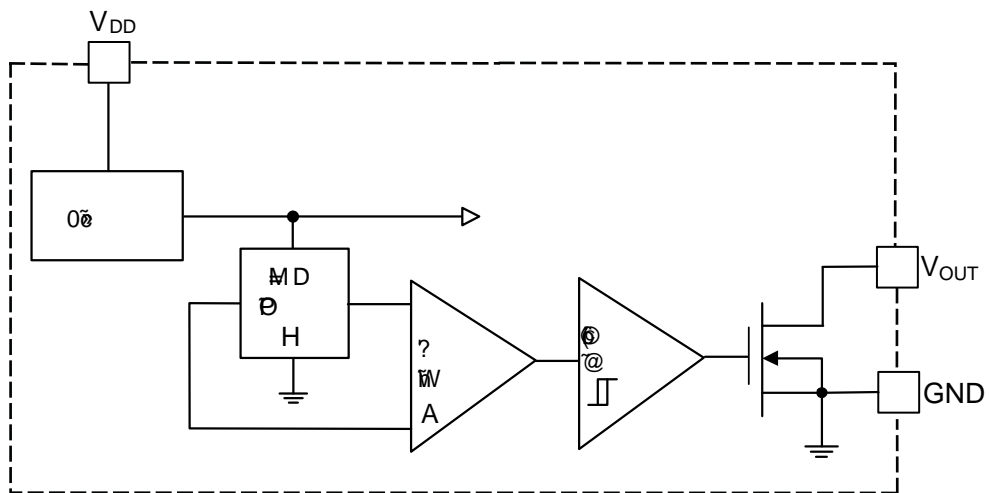
SW: SOT23-3L

SE: ? SOT23



E7J ž '			
-\$ SIP-3L/TO-92S	SOT23-3LÃ ? SOT23		
1	1	V <sub>DD</sub>	
2	3	GND	,
3	2	V <sub>OUT</sub>	

◆



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## ◆ 表 (备注 1)

符号	参数	范围	单位
$V_{DD}$	$V_{DD}$	-0.3~+28	V
B	B	=L	Gauss, Gs
$V_{OUT(OFF)}$	$V_{OUT(OFF)}$	32	V
$I_{OUTL}$	$I_{OUTL}$	25	mA
$P_D$	$P_D$	450	mW
$T_O$	$T_O$	-40~+125	
$T_J$	$T_J$	+125	
$T_S$	$T_S$	-65~+160	

## ◆ 表

指的是在整个工作电压和工作温度范围内，除非另有说明。典型值的测试条件： $V_{DD}=12V$  和  $T_A=25^\circ C$

符号	参数	测试条件	3.2V	12V	24V	单位
电源电压 (备注 2)	$V_{DD}$		3.2	12	24	V
$I_{DD}$	$I_{DD}$		-	2.0	5.0	mA
$V_{OUTL}$	$V_{OUTL}$	$I_{OUT}=20mA$ $B > B_{OP}$	-	200	500	mV
$I_{OFF}$	$I_{OFF}$	$V_{OUT}=24V$ $B < B_{RP}$	-	<0.1	10	$\mu A$
$t_r$	$t_r$	$R_L=820\Omega$ $C_L=20pF$	-	0.1	0.5	$\mu S$
$t_f$	$t_f$	$R_L=820\Omega$ $C_L=20pF$	-	0.15	0.5	$\mu S$
最大开关频率	$F_{SW}$	$R_L=820\Omega$ $C_L=20pF$	-	10	-	KHz

备注：1) 超出其中任何一个最大额定值，芯片都有可能受到损害

2) 能正常工作的最大电源电压，必须根据结温和功耗的限制进行调整

◆ .5

典型值的测试条件:  $V_{DD}=12V$  和  $T_A=25^\circ C$

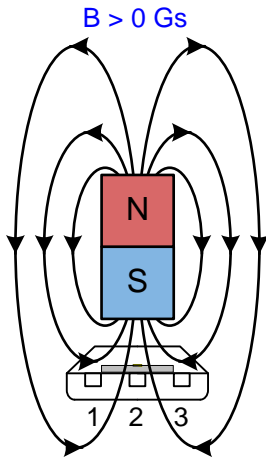
» ' 0	GH1881KUA/GH1881KSE		β	K	
0	V	0	β	W	}..
0E	$B_{OP}$	10	20	30	Gauss, Gs
G0	$B_{RP}$	-30	-20	-10	Gauss, Gs
ñ	$B_{HYS}$	25	40	50	Gauss, Gs

» ' 0	GH1881KSW		β	ü ±K1 ^	
0	V	0	β	W	}..
0E	$B_{OP}$	-30	-20	-10	Gauss, Gs
G0	$B_{RP}$	10	20	30	Gauss, Gs
ñ	$B_{HYS}$	25	40	50	Gauss, Gs

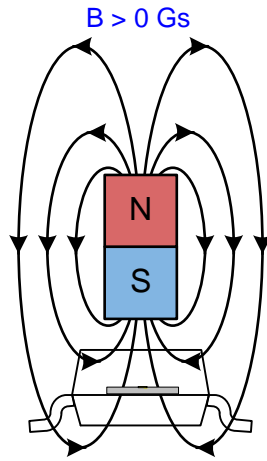
70 1mT=10Gs



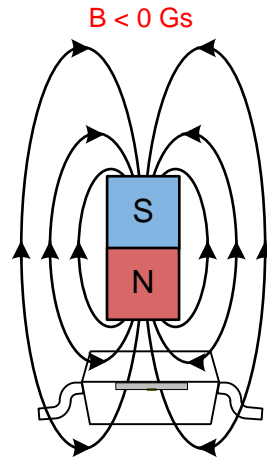
UA: SIP-3L



SE: ? SOT23



SW: SOT23-3L

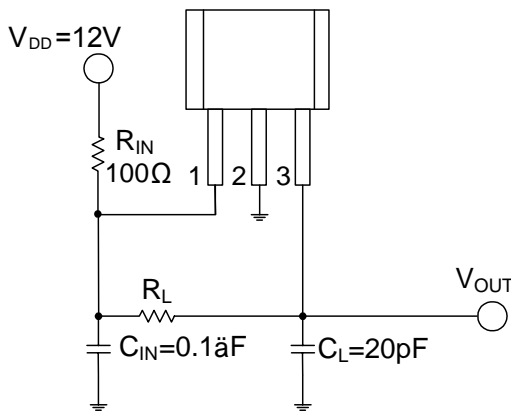
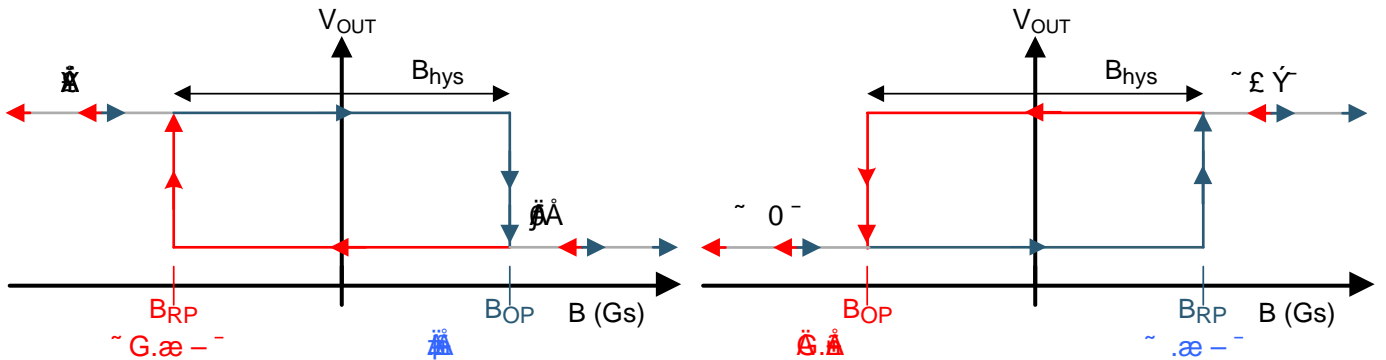


⊗ S  
⊙ N

UA: SIP-3L SE: ? SOT23

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SW: SOT23-3L



# ÖRINÄ C<sub>IN</sub>

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R<sub>L</sub> ⊗

820Ω~100kΩ

C<sub>L</sub> ⊗

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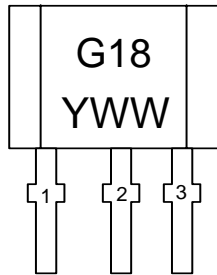


GH1881

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(SIP-3L/TO-92S)

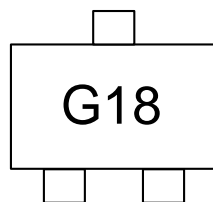


G18: 器件型号 GH1881

Y: 生产年的最后一位数字, 0~9, “5” =2015

WW: 生产周号, 01~52

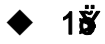
(SOT23-3L, ? SOT23)



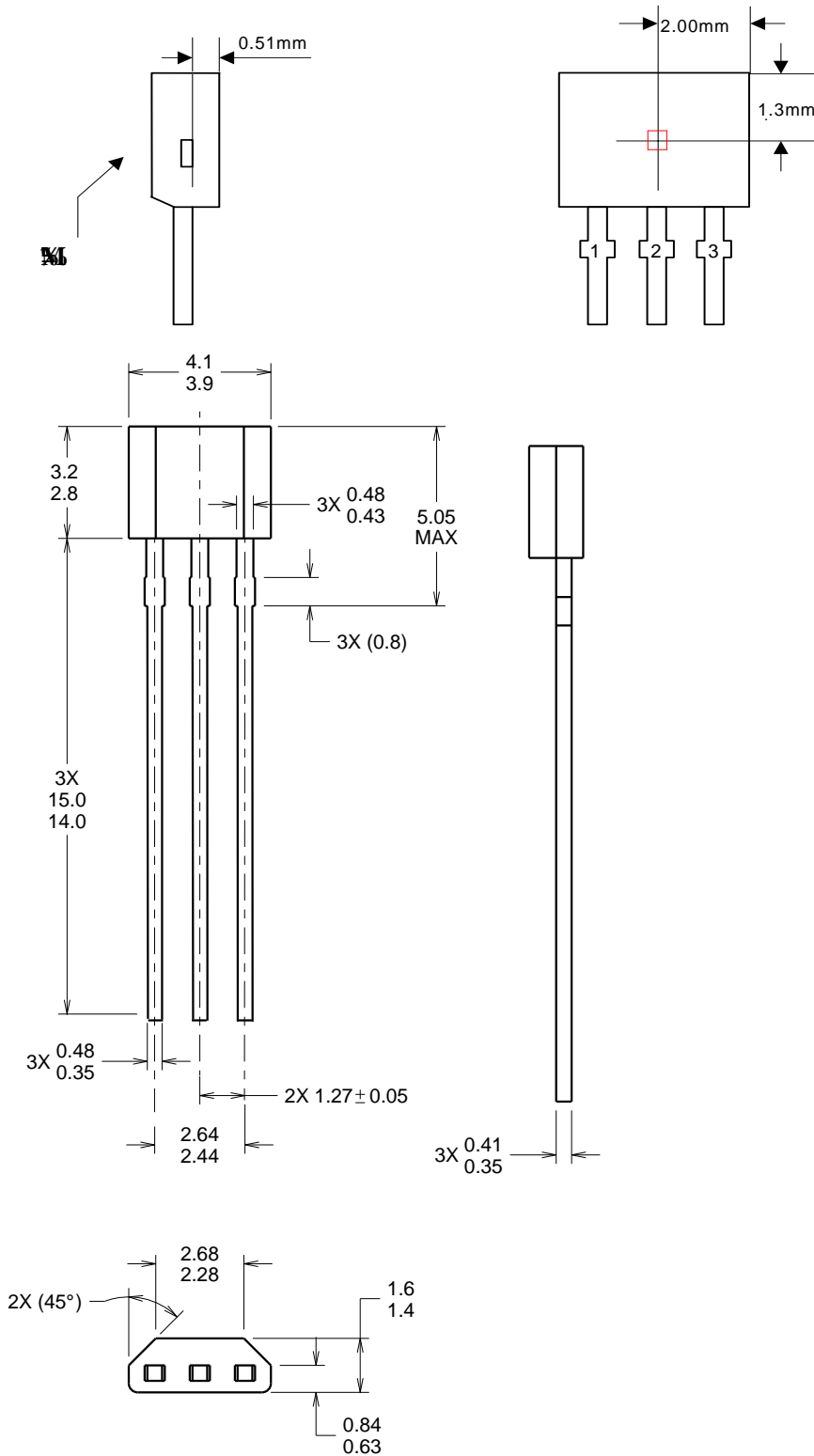
G18: 器件型号 GH1881

GH1881

·K7 Ž ÁMC J f5α V U ž



(UA: SIP-3L/TO-92S) 单位: mm

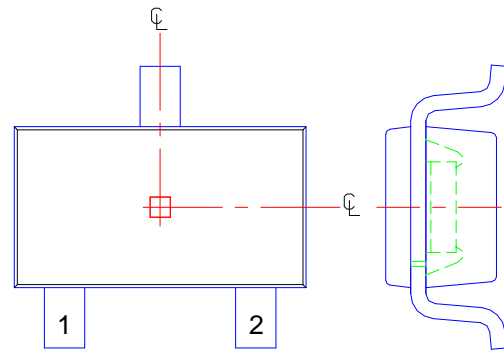
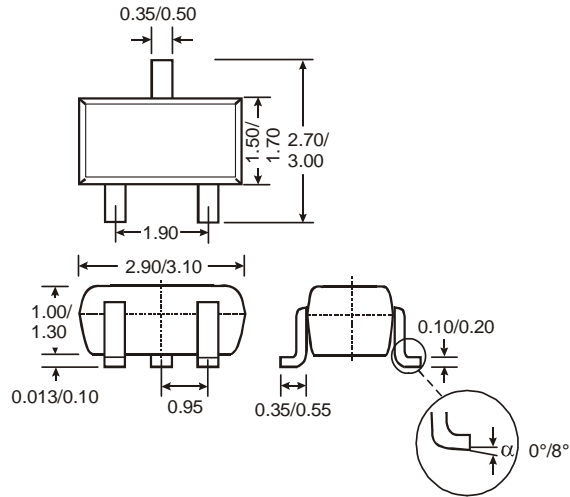




GH1881

·K7 Ž ÁMC J f5α V U ž

◆ 18 (SW: SOT23-3L) 单位: mm



(SE: ? SOT23) 单位: mm

