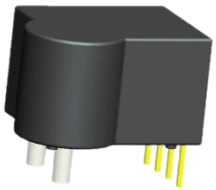
K02 系列 K02 Series



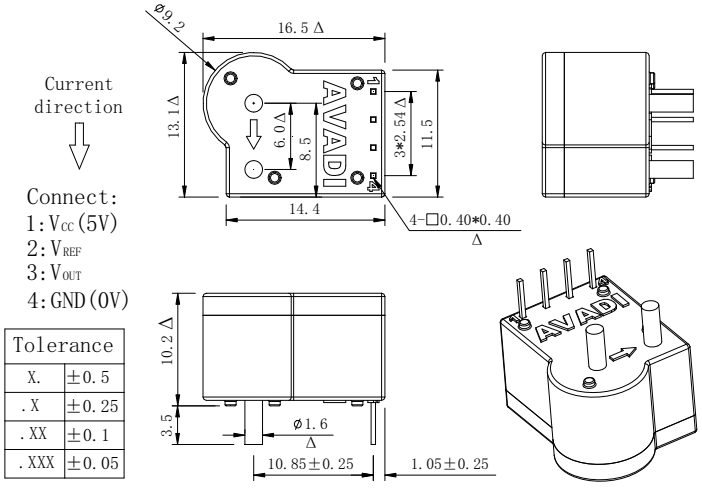
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 使用单芯片可编程霍尔 IC.
  Using single-chip programmable Hall IC.
- 测量精度高，响应速度快,零漂低、温漂小.
  High accuracy, fast response time and very excellent temperature drift.
- 单 5V 电源工作电压，工作温度范围宽(-40～105℃).
  Unipolar +5V DC power supply, operating temperature range-40℃<*T*<105℃.
- 产品按UL94-V0阻燃等级设计.满足欧盟ROHS指令要求.
  The products designed according with UL94-V0 , and the EU ROHS standard.

电气参数 Electrical data (典型值 Typical value)

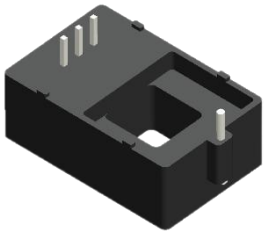
型号 Type	K02-XXP				
XXX=	10	15	20	25	30
原边标定电流值 Primary normal current I_{PN}(A)	10	15	20	25	30
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	25	37.5	50	62.5	75
灵敏度 sensitivityG_{th} (mV/A)	0.08	0.0533	0.04	0.032	0.0267
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5±0.8V (±1.0%)				
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±0.5%				
零漂 Electrical offset voltage VOE @TA=25℃	2.5V±10mV				
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1mV/℃				
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	0.01%/℃				
响应时间 Response time tr1 @10%→90%IPN	3uS				

结构参数 Mechanical dimension



Tolerance	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

K03 系列 K03 Series



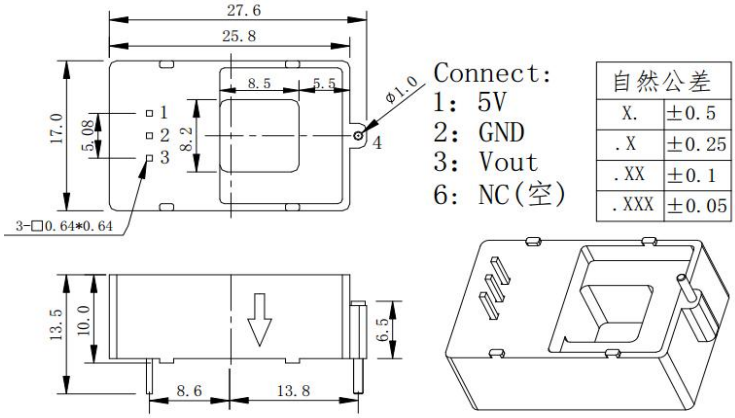
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+105℃).
  Unipolar +5V DC power supply, frequency bandwidth range (0～50kHz),Operating temperature range-40℃<T<105℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt,etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard.
- 可广泛应用于变频器、UPS、光伏逆变器、高频电源、逆变焊机等产品.
  Application: General motor drive, UPS, Solar, Power supply ,etc.

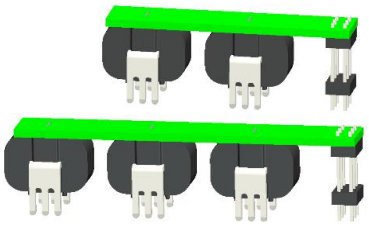
电气参数 Electrical data (典型值 Typical value)

型号 Type	K03-XXP							
XX=	25							
原边标定电流值 Primary normal current I_{PN}(A)	25							
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	27.5							
工作电源电压 Supply voltage range V_{CC}（V）	5V±10%							
输出电压 Output voltage V_{out} @I_{PN}, RL=10kΩ, TA=25℃	2.5V±2V (±1.0%)							
精度 Accuracy X@IPN, RL=10kΩ, T_A=25℃	±0.5%							
零漂 Electrical offset voltage V_{OE} @T_A=25℃	2.5V±20mV							
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.2mV/℃							
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.02%℃							
响应时间 Response time tr1 @0→I_{PN}/us	<3uS							

结构参数 Mechanical dimension



K04 系列 K04 Series



产品特点 Features

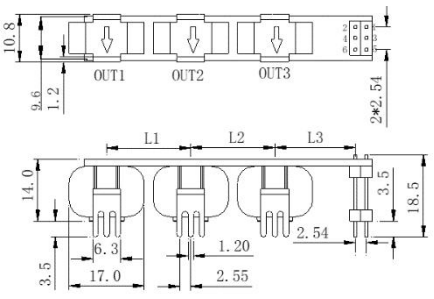
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+105℃).
  Unipolar +5V DC power supply, frequency bandwidth range (0～50kHz),Operating temperature range-40℃<T<105℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
- Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt…etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、高频电源等产品，可进行二路或三路的选型设计.
  Application:Generalmotordrive，Powersupply. etc，It can be used for two-way or three-way selection design.

电气参数 Electrical data (典型值 Typical value)

型号 Type	K04-XXPNYY/0.6V								K04-XXPHNYY/0.6V			
XX=	09	38	45	60	32	38	45	60	38	45	60	75
原边标定电流值 Primary normal current I_{PN}(A)	9	139.3	165	200	32	38	45	60	38	45	60	75
电流测试范围 Current test range I_{PM}(Adc)	33	18.5	22	30	117.3	139.3	165	200	139.3	165	200	250
适配变频器机型（380V）(KW)	3.7	5.5	7.5	11	15	18.5	22	30	18.5	22	30	37
工作电源电压 Supply voltage range V_{CC}（V）	5V±10%											
输出电压 Output voltage V_{out} @I_{PN}, RL=10kΩ, TA=25℃	2.5V±0.6V (±1.0%)											
精度 Accuracy X@IPN, RL=10kΩ, T_A=25℃	±0.5%											
零漂 Electrical offset voltage V_{OE} @T_A=25℃	2.5V±20mV											
零漂温漂 Temperature coefficient of $V_{OE}T_{CVOE}$	±0.2mV/℃											
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.02%℃											
响应时间 Response time trl @0→I_{PN}/us	<5uS											

结构参数 Mechanical dimension

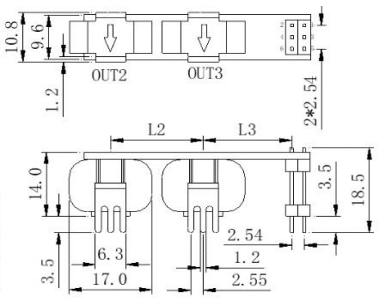
图一 3 路输出一字型图二 2 路输出一字型



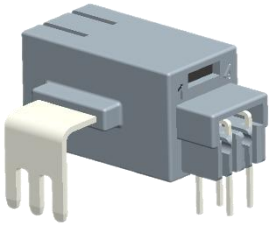
Connect:
1: 5V
2: GND
3: Vout1
4: Vout2
5: Vout3
6: NC(空)

产品型号	L1	L2	L3	对应外形图
K04-XXP301/0.6V	18	18	16	图一
K04-XXP302/0.6V	21	21	17.5	图一

产品型号	L1	L2	L3	对应外形图
K04-XXP201/0.6V	/	18	16	图二
K04-XXP202/0.6V	/	21	17.5	图二



K06E 系列 K06E Series



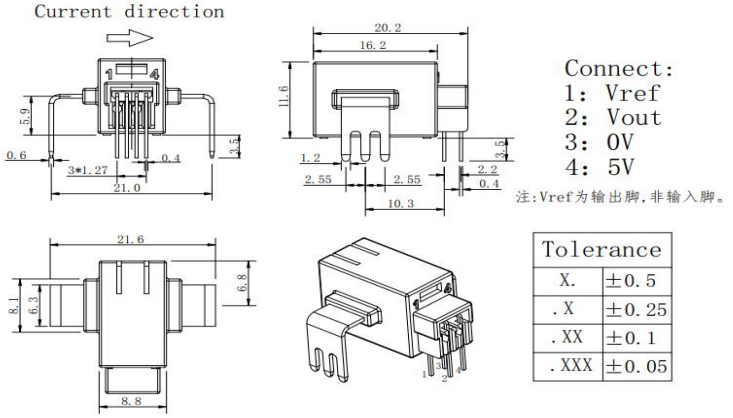
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+105℃).
  Unipolar +5V DC power supply,frequency bandwidthrange (0～50kHz), operating temperature range -40℃<T<105℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、电动汽车驱动、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, EV, Power supply .etc.

电气参数 Electrical data (典型值 Typical value)

型号 Type	K06E-XXP									K06E-XXPH		
XX=	8	10	12	16	20	25	32	40	50	80	100	120
原边标定电流值 Primary normal current I_{PN}(A)	8	10	12	16	20	25	32	40	50	80	100	120
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	20	25	30	40	50	62.5	80	100	125	200	250	300
工作电源电压 Supply voltage range V_{CC}（V）	5V±10%											
输出电压 Output voltage Vout @I_{PN},RL=10kΩ,T_A=25℃	2.5V±0.8V (±1.0%)											
精度 Accuracy X@I_{PN},RL=10kΩ,T_A=25℃	±0.5%											
零漂 Electrical offset voltage VOE @T_A=25℃	2.5V±10mV											
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.2mV/℃											
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.02%/℃											
响应时间 Response time trl @0→IPN/us	<3uS											

结构参数 Mechanical dimension



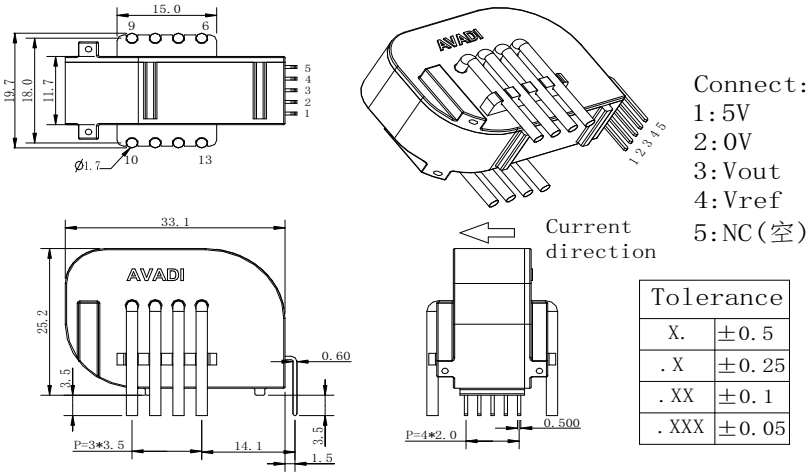
K10 系列 K10 Series

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～125℃).
  Unipolar +5V DC power supply, frequency bandwidth range (0～50kHz), operating temperature range-40℃<T<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.Etc).
- 产品按UL94-V0阻燃等级设计.满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..

电气参数 Electrical data (典型值 Typical value)

型号 Type	K10-XXXP						
XXX=	40	50	60	75	100	120	150
原边标定电流值 Primary normal current I_{PN}(A)	40	50	60	75	100	120	150
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	100	125	150	188	250	300	375
工作电源电压 Supply voltage range V_{CC}（V）	5V±10%						
输出电压 Output voltage Vout @I_{PN}, RL=10kΩ, T_A=25℃	2.5±0.8V(±1%)						
精度 Accuracy X@I_{PN}, RL=10kΩ, T_A=25℃	±1%						
原边导体尺寸 Primary conductor size (mm)	4*Φ1.7						
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	0.05mV/℃						
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	0.01%/℃						
响应时间 Response time tr1 @0→IPN/us	8uS						

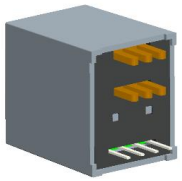
结构参数 Mechanical dimension



Connect:
1:5V
2:0V
3:Vout
4:Vref
5:NC(空)

Tolerance	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

HCK08 系列 HCK08 Series

产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor
- 原副边电磁隔离，隔离耐压 4000Vac .
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V)，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+85℃).
  Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz), operating temperature range-40℃<T<85℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, Power supply .etc.

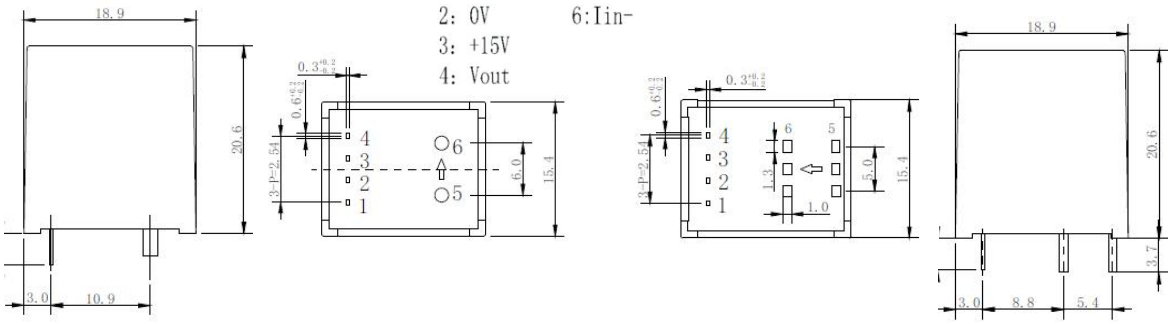
电气参数 Electrical data (典型值 Typical value)

型号 Type	HCK08-XXP										
XX=	03	05	10	12	15	20	25	30	40	50	60
原边标定电流值 Primary normal current I_{PN}(A)	3	5	10	12	15	20	25	30	40	50	60
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	9	15	30	36	45	60	75	90	120	150	180
原边线圈直径 Primary wire diameter(mm)	0.6	0.8	1.1	1.1	1.4	1.6			Busbar 1.0×6.3		
工作电源电压 Supply voltage range V_{CC} (V)	±11V~±18V										
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	±4V±1%										
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±0.8%										
零漂 Electrical offset voltage VOE @TA=25℃	4V±25mV										
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃										
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃										
响应时间 Response time tr1 @0→IPN/us	<3uS										

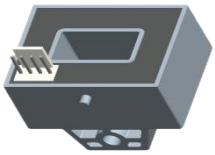
结构参数 Mechanical dimension

HCK08-03..30P 外形尺寸图 HCK08-40..

Connect:
1: -15V
2: 0V
3: +15V
4: Vout
5: Iin+
6:Iin-



HCK10系列 HCK10 Series



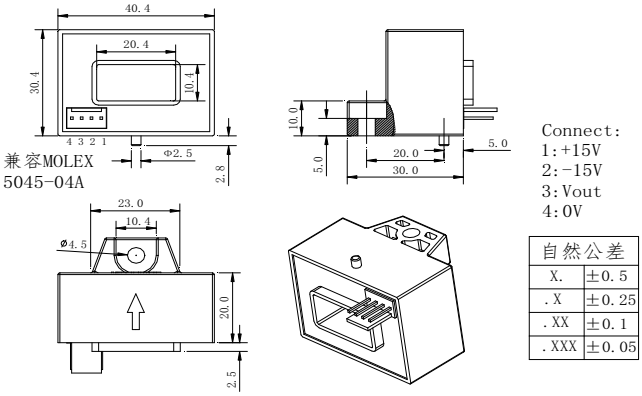
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V),测量频率范围宽(0～50kHz),工作温度范围宽(-40～+85/105/125℃).
  Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz), operating temperature range-40℃<*T*<85/105/125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, Power supply .etc.

电气参数 Electrical data (典型值 Typical value)

型号 Type	HCK10-XXS/J/S2/J2/M								
XX=	50	75	100	150	200	300	400	500	600
原边标定电流值 Primary normal current I_{PN}(A)	50	75	100	150	200	300	400	500	600
原边电流测试范围 Primary currentmeasuring rangeI_{PM}(A dc)	150	225	300	450	600	900	1000	1000	1000
工作电源电压 Supply voltage range V_{CC} (V)	±11V~±18V								
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	±4V								
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1%								
零漂 Electrical offset voltage VOE @TA=25℃	<±10mV								
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃								
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃								
响应时间 Response time tr1 @10%→90%IPN	3Us								
工作环境温度范围 Ambient operating temperature TA	-40～85℃								

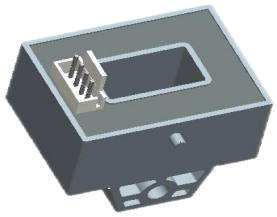
结构参数 Mechanical dimension



自然公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

HCK10H 高频系列 HCK10H High frequency Series

产品特点 Features

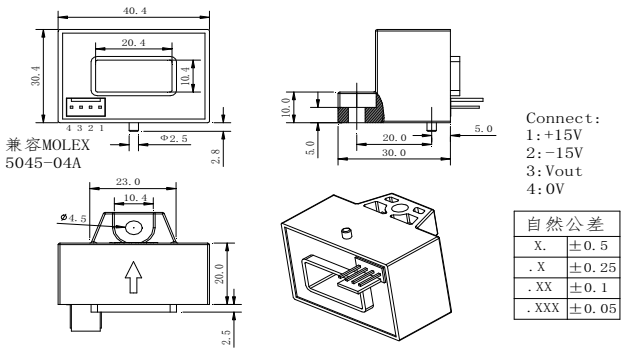


- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V),测量频率范围宽(0～50kHz),工作温度范围宽(-40～+85/105/125℃).
  Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz), operating temperature range-40℃<T<85/105/125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, Power supply .etc.
- 铁损小，特别适合测量高频电流.
  Small iron loss, suitable for measuring high frequency current.

电气参数 Electrical data (典型值 Typical value)

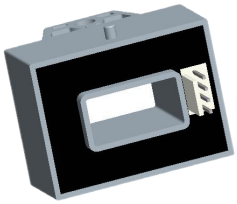
型号 Type	HCK10H-XXXS/J/P/S2/J2			
XX=	100	150	200	300
原边标定电流值 Primary normal current I_{PN}(A)	100	150	200	300
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	350	525	700	800
工作电源电压 Supply voltage range V_{CC}（V）	±11V~±18V			
输出电压 Output voltage Vout @IPN,RL=10kΩ,T_A=25℃	±4V			
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1%			
零漂 Electrical offset voltage VOE @TA=25℃	<±10mV			
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃			
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃			
响应时间 Response time tr1 @10%→90%IPN	3Us			
工作环境温度范围 Ambient operating temperature TA	-40～105℃			

结构参数 Mechanical dimension



自然公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

HCK10Y 系列 HCK10Y Series



产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(4V~6.5V),测量频率范围宽(0～50kHz),工作温度范围宽(-40～125℃).
  Supply voltage range (4V~6.5V), frequency bandwidth range (0～50kHz), operating temperature range(-40～125℃).
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..

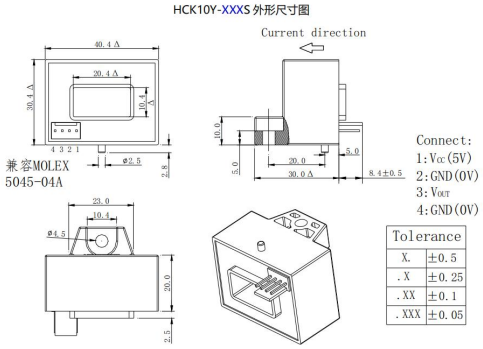
电气参数 Electrical data (典型值 Typical value)

型号 Type	HCK10Y-XXXS/2V，HCK10Y-XXXJ/2V，HCK10Y-XXXP/2V，HCK10Y-XXXS2/2V，HCK10Y-XXXJ2/2V								
XX=	50	100	200	300	400	500	600	800	1000
原边标定电流值 Primary normal current I_{PN}(A)	50	100	200	300	400	500	600	800	1000
原边电流测试范围 Primary currentmeasuring rangeI_{PM}(A dc)	55	110	220	330	440	550	660	880	1100
工作电源电压 Supply voltage range V_{CC}（V）	4V~6.5V								
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5V±2V (±1.0%)								
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1%								
零漂 Electrical offset voltage VOE @TA=25℃	<±10mV								
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.5mV/℃								
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.05%/℃								
响应时间 Response time tr1 @10%→90%IPN	3Us								
工作环境温度范围 Ambient operating temperature TA	-40～125℃								

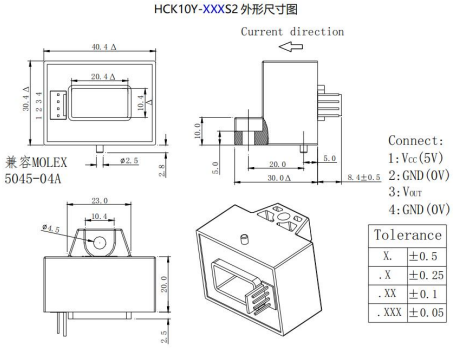
型号 Type	HCK10Y-XXXS/0.625V，HCK10Y-XXXJ/0.625V，HCK10Y-XXXP/0.625V，HCK10Y-XXXS2/0.625V，HCK10Y-XXXJ2/0.625V					
XX=	50	100	150	200	300	400
原边标定电流值 Primary normal current I_{PN}(A)	50	100	150	200	300	400
原边电流测试范围 Primary currentmeasuring range I_{PM}(A dc)	160	320	480	640	960	1000
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5V±0.625V（±1.0%）					

结构参数 Mechanical dimension

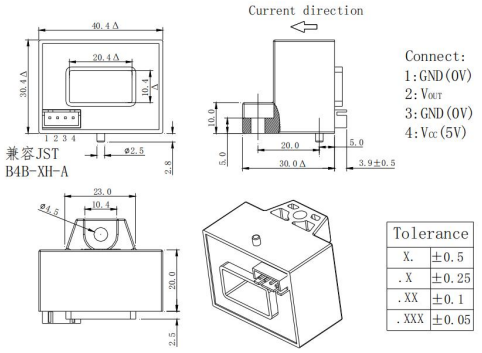
HCK10Y-XXXS 外形尺寸图



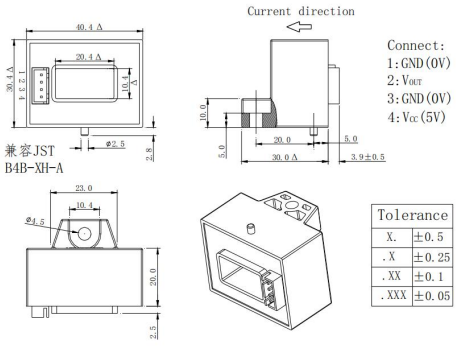
HCK10Y-XXXS2 外形尺寸图



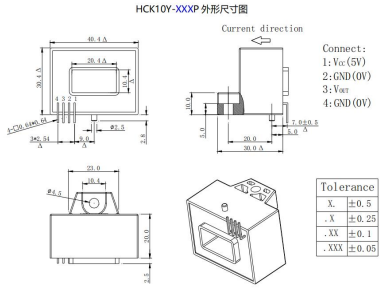
HCK10Y-XXXJ 外形尺寸图



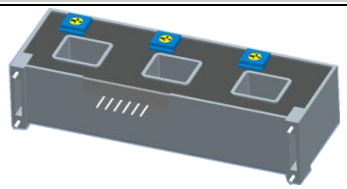
HCK10Y-XXXJ2 外形尺寸图



HCK10Y-XXXP 外形尺寸图



HCK13 系列 HCK13 Series



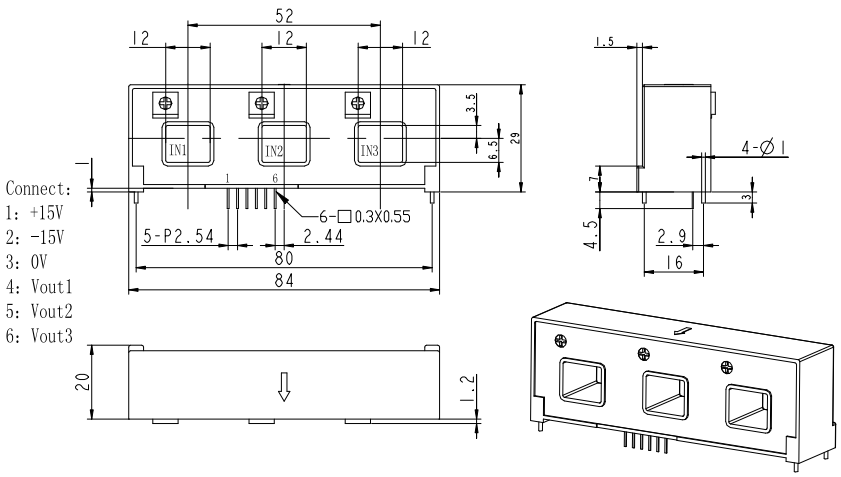
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac .
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V)，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+85℃). Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz)，operating temperature range-40℃<T<85℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器等产品.
  Application: General motor drive.etc.

电气参数 Electrical data (典型值 Typical value)

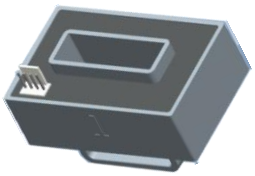
型号 Type	HCK13-XXP					
XX=	50	75	100	150	200	300
原边标定电流值 Primary normal current I_{PN}(A)	50	75	100	150	200	300
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	150	225	300	450	600	600
工作电源电压 Supply voltage range V_{CC} (V)	±11V~±18V					
输出电压 Output voltage Vout @IPN,RL=10kΩ,T_A=25℃	±4V					
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1%					
零漂 Electrical offset voltage VOE @T_A=25℃	±15mV					
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃					
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃					
响应时间 Response time tr1 @10%→90%IPN	3uS					

结构参数 Mechanical dimension



HCK18 系列 HCK18 Series

产品特点 Features



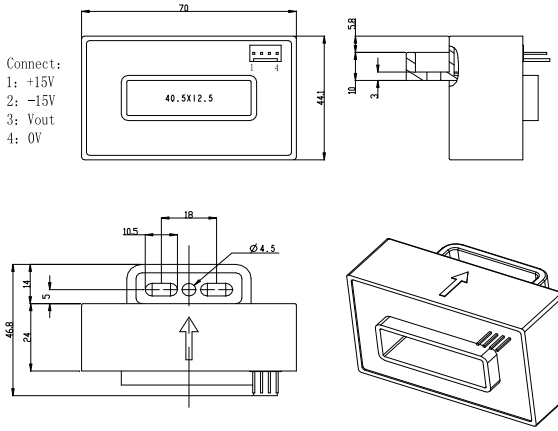
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 5000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>5000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V),测量频率范围宽(0～50kHz),工作温度范围宽(-40～+125℃)
  Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz), operating temperature range-40℃<T<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、电动汽车驱动、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, EV, Power supply .etc.

电气参数 Electrical data (典型值 Typical value)

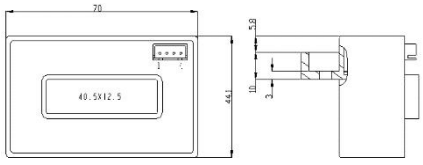
型号 Type	HCK18-XXXS/J								
XXX=	200	400	500	600	750	800	1000	1200	1500
原边标定电流值 Primary normal current I_{PN}(A)	200	400	500	600	750	800	1000	1200	1500
原边电流测试范围 Primary current measuring range I_{PM}(Adc)	600	1200	1500	1800	2250	2400	3000	3000	3000
工作电源电压 Supply voltage range V_{CC}（V）	±11V~±18V								
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	±4V								
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1%								
零漂 Electrical offset voltage VOE @TA=25℃	10mV								
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃								
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃								
响应时间 Response time tr1 @10%→90%IPN	3uS								

结构参数 Mechanical dimension

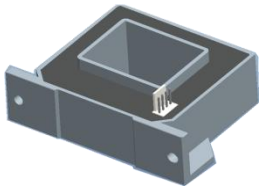
HCK18-XXXS 外形尺寸图



HCK18-XXXJ 外形尺寸图



HCK20 系列 HCK20 Series



产品特点 Features

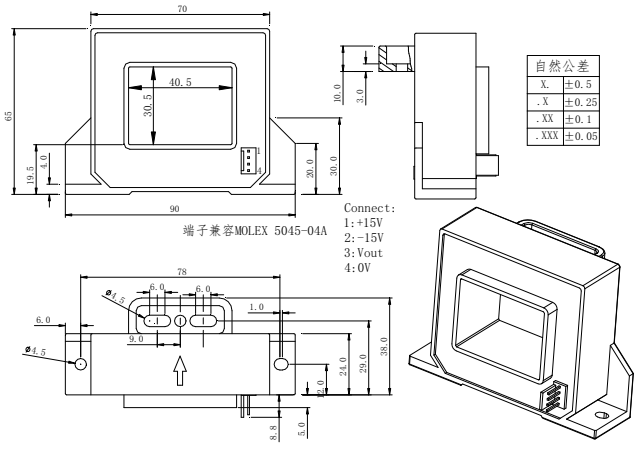
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 5000Vac .
  Galvanic isolation between primary and secondary circuit, isolation voltage>5000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V)，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+125℃) Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz), operating temperature range-40℃<T<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, Power supply .etc.

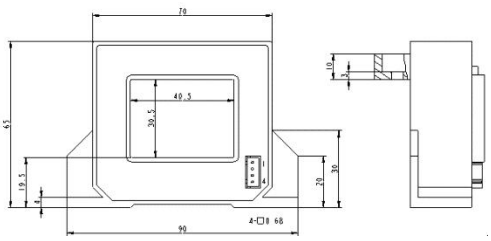
电气参数 Electrical data (典型值 Typical value)

型号 Type	HCK20-XXXS/J									
XXX=	200	400	500	600	750	800	1000	1200	1500	2000
原边标定电流值 Primary normal current I_{PN}(A)	200	400	500	600	750	800	1000	1200	1500	2000
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	600	1200	1500	1800	2250	2400	3000	3000	3000	3000
工作电源电压 Supply voltage range V_{CC} (V)	±11V~±18V									
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	±4V									
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1%									
零漂 Electrical offset voltage VOE @TA=25℃	±10mV									
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃									
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃									
响应时间 Response time tr1 @10%→90%I_{PN}	3uS									

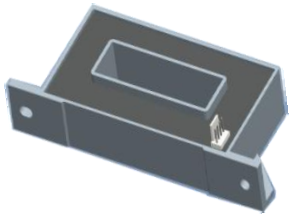
结构参数 Mechanical dimension

HCK20-XXXS/J 外形尺寸图





HCK22 系列 HCK22 Series



产品特点 Features

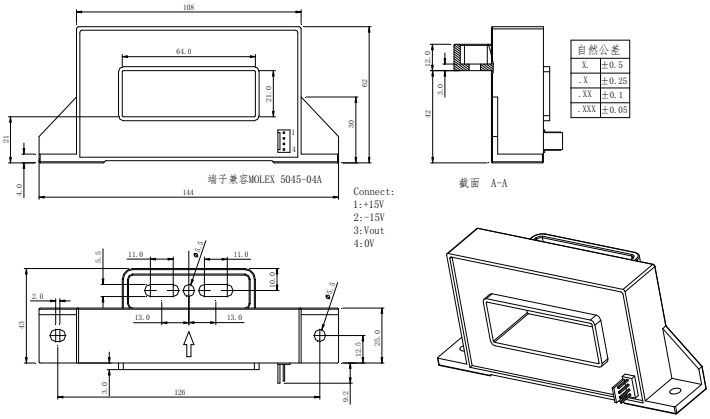
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 5000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>5000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±11V~±18V)，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+125℃) Supply voltage range (±11V~±18V), frequency bandwidth range (0～50kHz)，operating temperature range-40℃<T<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 ，and the EU ROHS and REACH standard..
- 可广泛应用于变频器、UPS、光伏逆变器、高频电源、逆变焊机等产品.
  Application: General motor drive, Solar, Power supply. Etc.

电气参数 Electrical data (典型值 Typical value)

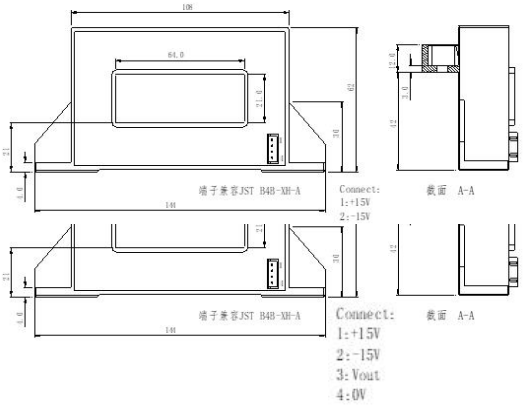
型号 Type	HCK22-XXXS/J						
XXX=	500	600	850	1000	1500	2000	2500
原边标定电流值 Primary normal current I_{PN}(A)	500	600	850	1000	1500	2000	2500
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	1500	1800	2550	3000	4500	6000	6000
工作电源电压 Supply voltage range V_{CC} (V)	±11V~±18V						
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	±4V						
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±0.5%						
零漂 Electrical offset voltage VOE @TA=25℃	<±10mV						
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.4mV/℃						
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃						
响应时间 Response time tr1 @10%→90%IPN	3uS						

结构参数 Mechanical dimension

HCK22-XXXS 外形尺寸图



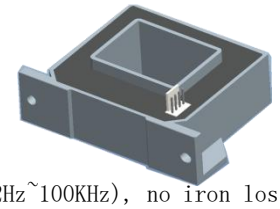
HCK22-XXXJ 外形尺寸图



深圳市艾华迪技术有限公司
ShenzhenAvadi Technology Co.,LTD

高频交流电流传感器 High frequency AC current senso

ACW20-XXXS/J 系列　　ACW20-XXXS/J Series



产品特点 Features

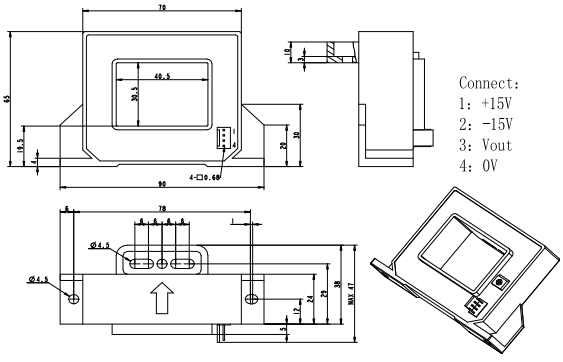
- 空心线圈变压器原理，工作测量频率范围宽（2Hz~100KHz），无铁损.
  Principle of hollow coil transformer, working frequency range (2Hz~100KHz), no iron loss.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±10V~±18V),测量电流范围（0～±3I_{PN}）工作温度范围宽(-40～+125℃).
  Supply voltage range (±10V~±18V), Measuring current range（0～±3I_{PN}）,operating temperature range-40℃<℃105℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足GB/T2408-2008的水平燃烧HB等级和垂直燃烧的V-0等级要求.
  The products designed by UL94-V0flame retardant, GB/T2408-2008 burning level HB and V-0 rating for vertical combustion..
- 满足欧盟ROHS 和REACH 指令要求.
  Through EU ROHS and REACH.
- 可广泛应用高频交流测量、高频脉冲电流测量等场合.
  Application: High frequency AC,high frequency pulse current measurement .etc.

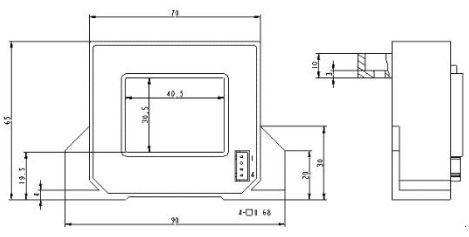
电气参数 Electrical data (典型值 Typical value)

型号 Type	ACW20-XXXS/J									
XXX=	200	400	500	600	750	800	1000	1200	1500	2000
原边标定电流值 Primary normal current I_{PN}(A)	200	400	500	600	750	800	1000	1200	1500	2000
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	$3I_{PN}$									
工作电源电压 Supply voltage range V_{CC}（V）	±10V~±18V									
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	±4V±2%									
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±2%									
零漂 Electrical offset voltage VOE @TA=25℃	±20mV									
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1mV/℃									
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.025%/℃									
响应时间 Response time tr1 @10%→90%IPN	1uS									

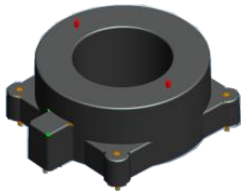
结构参数 Mechanical dimension

ACW20-XXXJ/S 外形尺寸图





HCK12Y 系列 HCK12Y Series



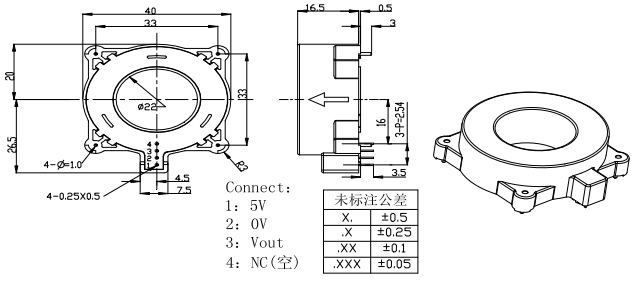
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift..
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+125℃).
  Unipolar +5V DC power supply, Frequency bandwidthrange (0～50kHz),operating temperature range -40℃<T<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、电动汽车驱动等产品.
  Application: General motor drive, EV .etc.

电气参数 Electrical data (典型值 Typical value)

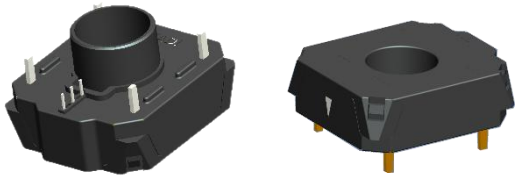
型号 Type	HCK12Y-XXPB 1.25V						
XX=	200	300	400	500	600	800	
原边标定电流值 Primary normal current I_{PN}(A)	200	300	400	500	600	800	
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	320	480	640	800	960	1000	
型号 Type	**HCK12Y-XXPB 2V**						
XX=	200	300	400	500	600	800	1000
原边标定电流值 Primary normal current I_{PN}(A)	200	300	400	500	600	800	1000
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	220	330	440	550	660	880	1100
工作电源电压 Supply voltage range V_{CC} (V)	5V±10%						
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	HCK12Y-XXP/ 1.25V				2.5±1.25V		
	HCK12Y-XXP/ 2V				2.5±2V		
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1.0%						
零漂 Electrical offset voltage VOE @TA=25℃	2V±20mV						
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.05mV/℃						
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.02%/℃						
响应时间 Response time tr1 @10%→90%IPN	3uS						

结构参数 Mechanical dimension



深圳市艾华迪技术有限公司
ShenzhenAvadi Technology Co.,LTD

K14A/B 系列 K14A/B Series



产品特点 Features

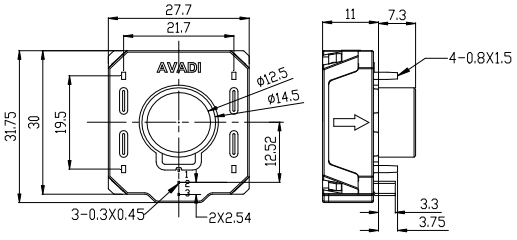
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+125℃).
  Unipolar +5V DC power supply, Frequency bandwidthrange (0 ～ 50kHz)， operating temperature range-40℃<*T*<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 ，and the EU ROHS and REACH standard..
- 可广泛应用于变频器、电动汽车驱动等产品.
  Application: General motor drive, EV .etc.

电气参数 Electrical data (典型值 Typical value)

型号 Type	K14A/B-XXPB						
XX=	200	300	400	500	600	800	900
原边标定电流值 Primary normal current I_{PN}(A)	200	300	400	500	600	800	900
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	220	330	440	550	660	880	990
工作电源电压 Supply voltage range V_{CC}（V）	5V±10%						
输出电压 Output voltage Vout @I_{PN}, RL=10kΩ, TA=25℃	2.5V±2.0V						
精度 Accuracy X@I_{PN}, RL=10kΩ, TA=25℃	±1.0%						
零漂 Electrical offset voltage V_{OE} @TA=25℃	2V±20mV						
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.05mV/℃						
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.02%/℃						
响应时间 Response time trl @0→ I_{PN}	2uS						

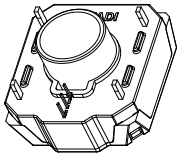
结构参数 Mechanical dimension

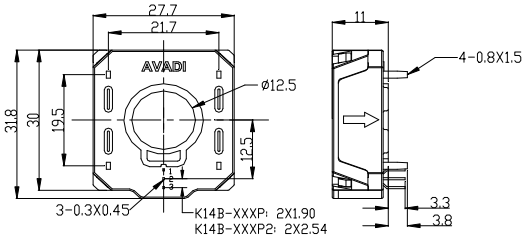
K14A-XXXP 外形尺寸图 K14B-XXXP 外形尺寸图



未标注公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

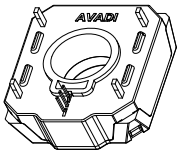
Connect:
1：5V
2：0V
3：Vout





未标注公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

Connect:
1：5V
2：0V
3：Vout



HCK15 系列 HCK15 Series

产品特点 Features

开环霍尔原理.

Open loop hall sensor.

原副边电磁隔离，隔离耐压4000Vac.

Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.

测量精度高，响应速度快，超调小,零漂低、温漂小.

High accuracy, fast response time and low overshoot, very excellent temperature drift.

单5V电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+125℃).

Unipolar +5V DC power supply, Frequency bandwidthrange (0～50kHz), operating temperature range-40℃<T<125℃.

抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt等)能力强.

Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).

产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.

The products designed according with UL94-V0 , and the EU ROHS and REACH standard..

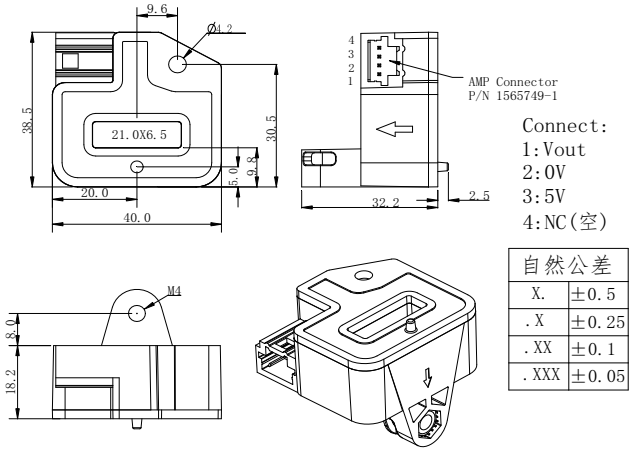
可广泛应用于变频器、电动汽车驱动等产品.

Application: General motor drive,EV.etc.

电气参数 Electrical data (典型值 Typical value)

型号 Type	HCK15-XXXGB									
XX=	200	300	400	500	600	800	900	1000	1200	1500
原边标定电流值 Primary normal current I_{PN}(A)	200	300	400	500	600	800	900	1000	1200	1500
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	220	330	440	550	660	880	990	1100	1320	1500
工作电源电压 Supply voltage range V_{CC}（V）	5V±10%									
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5±2V									
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1.0%									
零漂 Electrical offset voltage VOE @TA=25℃	2V±20mV									
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1 mV/℃									
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.01%/℃									
响应时间 Response time tr1 @10%→90%IPN	3uS									

结构参数 Mechanical dimension



自然公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

K17E 系列 K17E Series

产品特点 Features

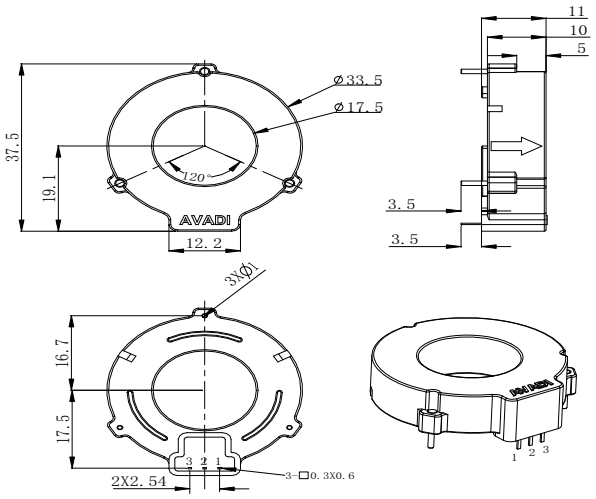
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～125℃).
  Unipolar +5V DC power supply, frequency bandwidth range (0～50kHz), operating temperature range-40℃<*T*<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.Etc).
- 产品按UL94-V0阻燃等级设计.满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、电动汽车驱动等产品.
  Application: General motor drive, EV .etc.

电气参数 Electrical data (典型值 Typical value)

型号 Type	K17E-XXXP									
XXX=	100	150	200	300	400	500	600	800	900	1000
原边标定电流值 Primary normal current I_{PN}(A)	100	150	200	300	400	500	600	800	900	1000
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	110	165	220	330	440	550	660	880	990	1000
工作电源电压 Supply voltage range V_{CC}（V）	5V±5%									
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5±2.0V (±1%)									
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1.0%									
零漂 Electrical offset voltage VOE @TA=25℃	2V±20mV									
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1mV/℃									
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	0.015%/℃									
响应时间 Response time trl @10%→90%IPN	3uS									

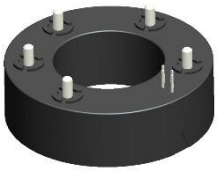
结构参数 Mechanical dimension

Connect:
1: 5V
2: 0V
3: Vout



未标注公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

K31-1090P1



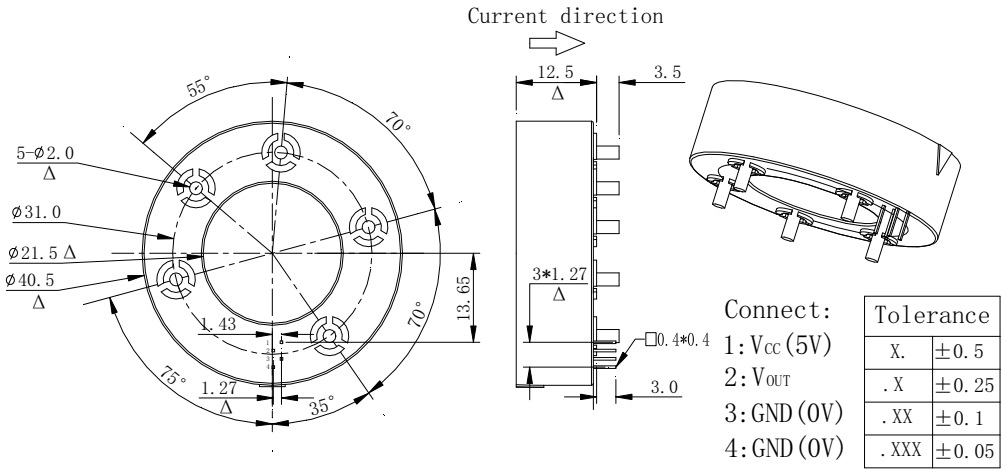
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 2500Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>2500Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 单 5V 电源工作电压，工作温度范围宽(-40～125℃).
  Unipolar +5V DC power supply, operating temperature range-40℃<T<125℃.
- 产品按UL94-V0阻燃等级设计.满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、通讯电源、直流电机、UPS电源、逆变器等产品.
- it can be widely used in inverter, communication power supply, DC motor, UPS power supply, inverter and other products

电气参数 Electrical data (典型值 Typical value)

型号 Type	K31-1090P1
原边标定电流值 Primary normal current I_{PN}(A)	545
原边电流测试范围 Primary current measuring range IPM(A dc)	1090
灵敏度 sensitivityGth (mV/A)	1.835
工作电源电压 Supply voltage range V_{CC} (V)	5V±5%
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5±1.0V (±1.5%)
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1.5%
零漂 Electrical offset voltage VOE @TA=25℃	2V±20mV
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1mV/℃
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	0.01%/℃
响应时间 Response time tr1 @10%→90%IPN	3uS

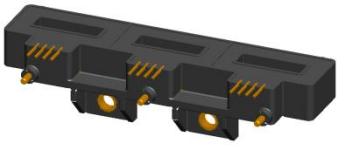
结构参数 Mechanical dimension



Connect:
1: V_{CC} (5V)
2: V_{OUT}
3: GND (0V)
4: GND (0V)

Tolerance	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

K33-500~1090P1 系列



产品特点 Features

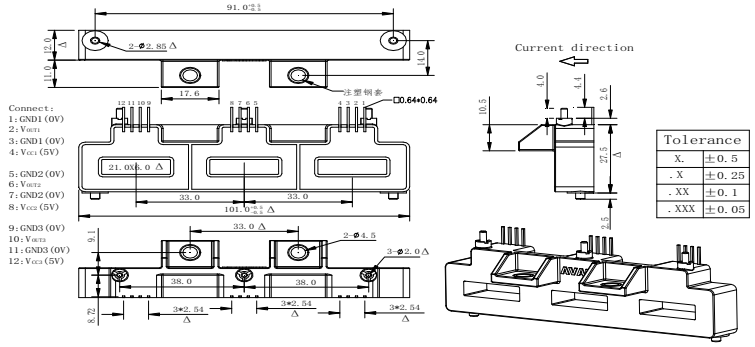
- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 2500Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>2500Vac.
- 使用单芯片可编程霍尔 IC.
  Using single-chip programmable Hall IC.
- 测量精度高，响应速度快,零漂低、温漂小.
  High accuracy, fast response time and very excellent temperature drift.
- 单 5V 电源工作电压，工作温度范围宽(-40～125℃).
  Unipolar +5V DC power supply, operating temperature range-40℃<*T*<125℃.
- 产品按UL94-V0阻燃等级设计.满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、通讯电源、直流电机、UPS电源、逆变器等产品.
- it can be widely used in inverter, communication power supply, DC motor, UPS power supply, inverter and other products

电气参数 Electrical data (典型值 Typical value)

型号 Type	K33-XXXP2,K33-XXXP3					
XXX=	500	600	800	900	1000	1090
原边标定电流值 Primary normal current I_{PN}(A)	250	300	400	450	500	545
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	500	600	800	900	1000	1090
灵敏度 sensitivityGth (mV/A)	4	3.333	2.5	2.222	2	1.835
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5±1.0V (±1.5%)					
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1.5%					
零漂 Electrical offset voltage VOE @TA=25℃	2.5V±20mV					
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1mV/℃					
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	0.01%/℃					
响应时间 Response time tr1 @10%→90%IPN	3uS					

结构参数 Mechanical dimension

K33-XXXP3 外形尺寸图



K34-600P 系列

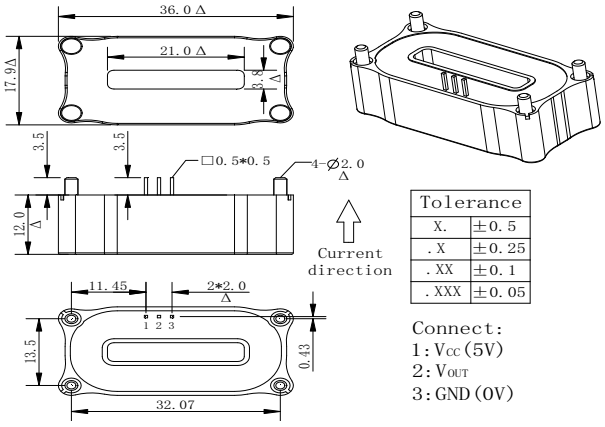
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 使用单芯片可编程霍尔 IC.
  Using single-chip programmable Hall IC.
- 测量精度高，响应速度快,零漂低、温漂小.
  High accuracy, fast response time and very excellent temperature drift.
- 单 5V 电源工作电压，工作温度范围宽(-40～125℃).
  Unipolar +5V DC power supply, operating temperature range-40℃<T<125℃.
- 产品按UL94-V0阻燃等级设计.满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于变频器、通讯电源、直流电机、UPS电源、逆变器等产品.
- it can be widely used in inverter, communication power supply, DC motor, UPS power supply, inverter and other products

电气参数 Electrical data (典型值 Typical value)

型号 Type	K34-XXXP
XXX=	600
原边标定电流值 Primary normal current I_{PN}(A)	600
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	±600
灵敏度 sensitivityGth (mV/A)	3.33
输出电压 Output voltage Vout @IPN,RL=10kΩ,TA=25℃	2.5±2.0V (±1.5%)
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±1.5%
零漂 Electrical offset voltage VOE @TA=25℃	2.5V±20mV
零漂温漂 Temperature coefficient of V_{OE} T_{CVOE}	±0.1mV/℃
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	0.01%/℃
响应时间 Response time tr1 @10%→90%IPN	3uS

结构参数 Mechanical dimension



Tolerance	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

Connect:
1:V_{CC}(5V)
2:V_{OUT}
3:GND(0V)

K53 系列 K53 Series

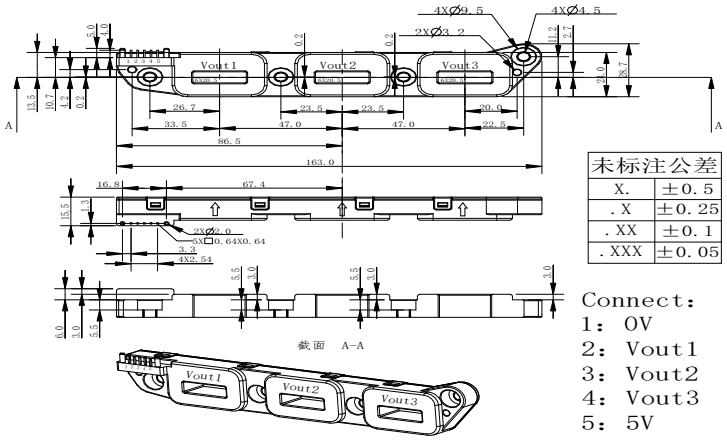
产品特点 Features

- 开环霍尔原理.
  Open loop hall sensor.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift..
- 单 5V 电源工作电压，测量频率范围宽(0～50kHz)，工作温度范围宽(-40～+125℃).
  Unipolar +5V DC power supply, Frequency bandwidthrange (0～50kHz),operating temperature range -40℃<*T*<125℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 ，and the EU ROHS and REACH standard..
- 小体积，三位一体设计，焊接 PIN 针输出
  Small volume, Trinity design, welding pin output.

电气参数 Electrical data (典型值 Typical value)

型号 Type	K53-XXXPB								
XXX=	200	300	400	500	600	800	900	1000	1200
原边标定电流值 Primary normal current I_{PN}(A)	200	300	400	500	600	800	900	1000	1200
原边电流测试范围 Primary current measuring range I_{PM}(A dc)	220	330	440	550	660	880	990	1100	1200
输出电压 Output voltage V_{out} @I_{PN}, RL=10kΩ, TA=25℃	2.5±2.0V(±1%)								
精度 X @I_{PN}, R_L=10kΩ, T_A=25℃	±1%								
零漂温漂 Temperature coefficient of $V_{OE}T_{CVOE}$	±0.05mV/℃								
线性误差温漂 Temperature coefficient of V_{OUT} @I_{PN}	±0.01%/℃								
响应时间 Response time tr1 @0→I_{PN}/us	2uS								

结构参数 Mechanical dimension



未标注公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

Connect:
1: 0V
2: Vout1
3: Vout2
4: Vout3
5: 5V

CMP11-XXXP 系列 CMP11-XXXP Series

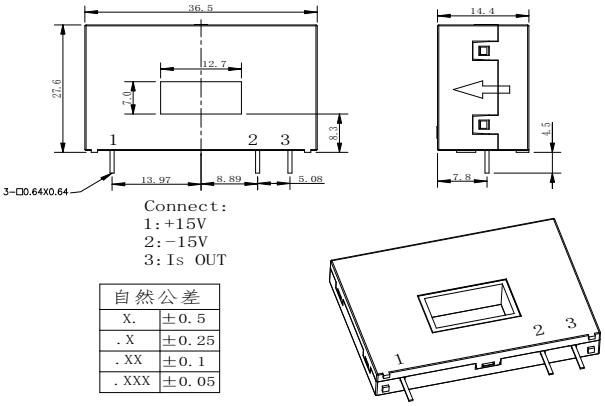
产品特点 Features

- 磁通门闭环电流传感器.
  Flux gate principle.
- 原副边电磁隔离，隔离耐压 4000Vac
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±10V~±18V)，测量频率范围宽(0～200kHz)，工作温度范围宽(-40～+85℃) Supply voltage range (±10V~±18V), frequency bandwidth range (0～200kHz), operating temperature range-40℃<T<85℃.
- 抗外界电磁干扰(ESD、EFT、CS、BCI、dv/dt 等)能力强.
  Very good electronic magnetic compatibility (ESD、EFT、CS、BCI、dv/dt.etc).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..
- 可广泛应用于伺服、光伏逆变器、高频电源等产品.
  Application: Servo, Solar, Power supply etc.

电气参数 Electrical data (典型值 Typical value)

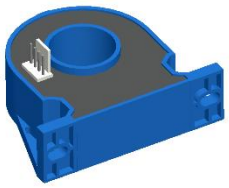
型号 Type	CMP11-102P	CMP11-202P
原边电流测试范围 Primary current measuring range I_{PN}(A dc)	±300A	±400A
转换比 Conversion ratio KN	1：1000	1：2000
工作电源电压 Supply voltage range V_{CC}（V）	±10V~±18V	
线性误差 Linearity error ε ,TA=25℃	±0.1%	
输出电失调电流 Ioe,T_A=25℃	20uA	
交流隔离耐压值 Vd	4000Vac	
响应时间 Response time trl @0→IPN	1.0uS	

结构参数 Mechanical dimension



自然公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05

CMP16-XXXS/M 系列 CMP16-XXXS/M Series



产品特点 Features

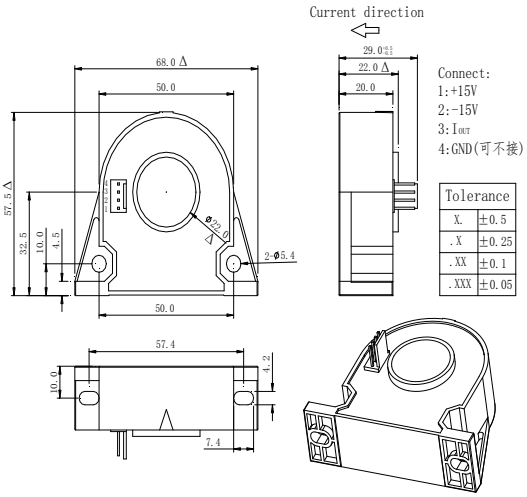
- 磁通门闭环电流传感器.
  Flux gate principle.
- 原副边电磁隔离，隔离耐压 4000Vac
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，响应速度快，超调小,零漂低、温漂小.
  High accuracy, fast response time and low overshoot, very excellent temperature drift.
- 工作电压范围宽(±10V~±18V)，测量电流范围宽(0~±400A)，工作温度范围宽(-40~105℃)。
- the working voltage range is wide (± 10v~ ± 18V), the measuring current range is wide (0~ ± 400A), and the working temperature range is wide (-40~105 ℃).
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..

电气参数 Electrical data (典型值 Typical value)

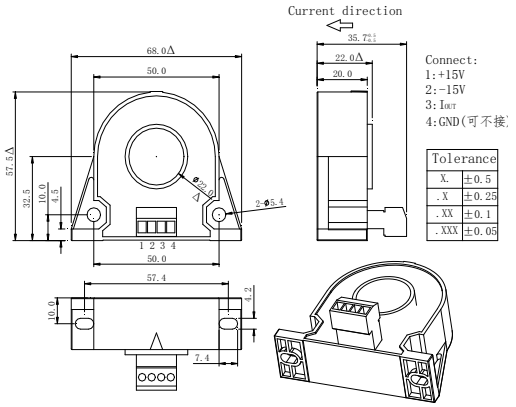
型号 XXX=	CMP16-XXXS, CMP16-XXXM		
	102	152	202
原边电流标定值 Primary side current calibration value IPN(A)	100	150	300
原边电流测量范围 Primary side current measurement range IPM(ADC)@VCC=±15V	250	300	400
转换比 Conversion ratio KN	1:1000	1:1500	1:2000
副边输出电流 Secondary side output current IOUT @±IPN	±100mA		±150mA
输入电源电压范围 Input power voltage range VC	±10V~±18V		
响应时间 Response time tr1 @0→IPN	0.3us		
线性误差 Linearity error ε ,TA=25℃	±0.02%		

结构参数 Mechanical dimension

CMP16-XXXS 外形尺寸



CMP16-XXXM 外形尺寸



CMP200-500G 系列 CMP200-500G Series

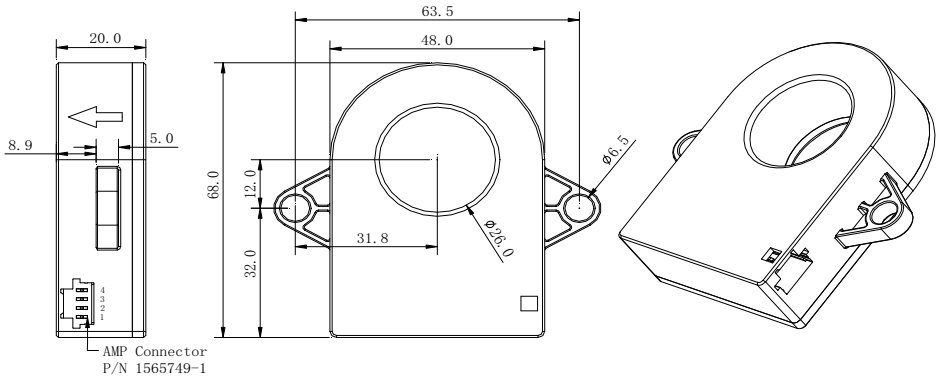
产品特点 Features

- 基于磁通门原理测量，CAN 通信输出 2.0，500Kbps
  Flux gate principle， CAN 2.0 ， 500Kbps.
- 原副边电磁隔离，隔离耐压 4000Vac.
  Galvanic isolation between primary and secondary circuit, isolation voltage>4000Vac.
- 测量精度高，,零漂低、温漂小.
  High accuracy,, very excellent temperature drift.
- 单电源工作电压 12V 或 24V ，工作温度范围宽(-40～+105℃）.
  Unipolar 12V or 24V DC power supply,operating temperature range-40℃<*T*<105℃.
- 产品按UL94-V0阻燃等级设计、满足欧盟ROHS和REACH指令要求.
  The products designed according with UL94-V0 , and the EU ROHS and REACH standard..

电气参数 Electrical data (典型值 Typical value)

型号 Type	CMP200-500G
原边电流测试范围 Primary current measuring range IPM(A dc)	500A
电源消耗电流 Power consumption currentIC(平均值)	≈0.0001I_P+35 (I_P单位为 mA)
存储环境温度范围 Storage ambient temperature range TS	-40～105℃
工作电源电压 Supply voltage range VCC (V)	13.5V
精度 Accuracy X@IPN,RL=10kΩ,TA=25℃	±0.1%
零漂电流 Ioe,T_A=25℃	±10mA

结构参数 Mechanical dimension



Connect:
1:VCC
2:GND
3:CAN_H
4:CAN_L

自然公差	
X.	±0.5
.X	±0.25
.XX	±0.1
.XXX	±0.05